



Certificate of Compliance

Certificate: 80066208

Master Contract: 151079

Project: 80066208

Date Issued: 2021-03-25

Issued To: Endress+Hauser SE+Co. KG
 Hauptstrasse 1
 Maulburg, Baden-Württemberg, 79689
 Germany

Attention: Steve Czaniecki

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Issued by: *Anil Sodhi*
 Anil Sodhi

PRODUCTS

- CLASS 2258 02** - PROCESS CONTROL EQUIPMENT - For Hazardous Locations
- CLASS 2258 82** - PROCESS CONTROL EQUIPMENT - For Hazardous Locations– Certified to U.S. Standards

**Class I, Division 1, Groups A,B,C,D ; Class II, Division 1, Groups E,F,G; Class III T6...T1
 Ex db IIC T6...T1 Gb
 Class I, Zone 1 AEx db IIC T6...T1 Gb**

Product	Deltabar PMD55B-aabbccdefghikkllmn + ooppqrrssttuuvvwwxyzz: where,	
	aa	(approval)
bb	(output)	AA, BA
c	(display; operation)	A, C, D, E, F, H
d	(transmitter housing; mat'l)	B, J, K, M
e	(electrical conn.)	H
f	(pressure type)	3, 6, 8, 9
gg	(sensor range)	7x, 9Y
h	(calibration; unit)	alphanumeric character (not relevant for safety)
i	(installation)	alphanumeric character (not relevant for safety)



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

	kkk	(process connection)	3 alphanumeric characters (not relevant for safety)
	l	(membrane material)	A, B, Y
	m	(fill fluid)	alphanumeric character (not relevant for safety)
	n	(seal)	alphanumeric character (not relevant for safety)
	+	(additional options: any number of each of the following options may be chosen)	
	oo	(ref. accuracy)	2 alphanumeric characters (not relevant for safety)
	pp	(calibration cert.)	2 alphanumeric characters (not relevant for safety)
	qq	(extended nom. pressure)	GK, G9
	rr	(service)	2 alphanumeric characters (not relevant for safety)
	ss	(test, Cert, declaration)	2 alphanumeric characters (not relevant for safety)
	tt	(additional approvals)	2 alphanumeric characters (not relevant for safety)
	uu	(sensor design)	option not allowed for aa = CD
	vv	(accessory mounted)	NA or other 2 alphanumeric characters (not relevant for safety)
	ww	(accessory enclosed)	PA, PB or other 2 alphanumeric characters (not relevant for safety)
	xx	(regional device adaption)	2 alphanumeric characters (not relevant for safety)
	yy	(firmware version)	2 alphanumeric characters (not relevant for safety)
	zz	(marking)	2 alphanumeric characters (not relevant for safety)
	Note: Some option codes may be restricted for certain model types.		
Electrical Rating	10.5...35Vdc, 4...20mA		
Enclosure Rating	Type 4X/6P, IP66/68		
Temp. code, ambient (Ta) and process temp. (Tp)	T6: $-40^{\circ}\text{C} \leq \text{Ta} \leq +60^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq \text{Tp} \leq +80^{\circ}\text{C}$ T4: $-40^{\circ}\text{C} \leq \text{Ta} \leq +65^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq \text{Tp} \leq +85^{\circ}\text{C}$		Refer to installation drawing for additional deratings of Ta relative to higher process temperatures ($\text{Tp} \leq +100^{\circ}\text{C}$).
MWP and Process Seal	MWP: up to 160 bar	Single Seal	
Installation Drawing	XA01894P		

Product	Deltabar PMD75B-aabbccdefghikkllmn + ooppqqrrssttuuvvwxxyzzaaßßγγ: where,		
	aa	(approval)	CD or C1
	bb	(output)	AA, BA
	c	(display; operation)	A, C, D, E, F, H
	d	(transmitter housing; mat'l)	B, J, K, M
	e	(electrical conn.)	H
	f	(pressure type)	3, 6, 8, 9
	gg	(sensor range)	7x, 9Y
	h	(calibration; unit)	alphanumeric character (not relevant for safety)
	i	(installation)	alphanumeric character (not relevant for safety)
	kkk	(process connection)	3 alphanumeric characters (not relevant for safety)
	l	(membrane material)	A, B, C, D, Y
	m	(fill fluid)	alphanumeric character (not relevant for safety)
n	(seal)	alphanumeric character (not relevant for safety)	



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

	+	(additional options: any number of each of the following options may be chosen)	
	oo	(operation language)	2 alphanumeric characters (not relevant for safety)
	pp	(membrane coating)	2 alphanumeric characters (not relevant for safety)
	qq	(application package)	2 alphanumeric characters (not relevant for safety)
	rr	(ref. accuracy)	2 alphanumeric characters (not relevant for safety)
	ss	(calibration cert.)	2 alphanumeric characters (not relevant for safety)
	tt	(extended nom. pressure)	GK, GM, GQ, G9
	uu	(service)	2 alphanumeric characters (not relevant for safety)
	vv	(test, Cert, declaration)	JL, JT (aa = CD only) or other 2 alphanumeric characters (not relevant for safety)
	ww	(additional approvals)	2 alphanumeric characters (not relevant for safety)
	xx	(sensor design)	option not allowed for aa = CD or C1
	yy	(accessory mounted)	NA or other 2 alphanumeric characters (not relevant for safety)
	zz	(accessory enclosed)	PA, PB or other 2 alphanumeric characters (not relevant for safety)
	αα	(regional device adaption)	2 alphanumeric characters (not relevant for safety)
	ββ	(firmware version)	2 alphanumeric characters (not relevant for safety)
	γγ	(marking)	2 alphanumeric characters (not relevant for safety)
	Note: Some option codes may be restricted for certain model types.		
Electrical Rating	10.5...35Vdc, 4...20mA		
Enclosure Rating	Type 4X/6P, IP66/68		
Temp. code, ambient (Ta) and process temp. (Tp)	T6: -40°C* ≤ Ta ≤ +60°C and -40°C ≤ Tp ≤ +80°C T4: -40°C* ≤ Ta ≤ +65°C and -40°C ≤ Tp ≤ +85°C		Refer to installation drawings for additional deratings of Ta relative to higher process temperatures (Tp ≤ +100°C) and device options. * ambient reduced to -50°C for vv=JL and -60°C for vv=JT (aa = CD only)
MWP and Process Seal	MWP: up to 420 bar	Single Seal	
Installation Drawing	XA01897P (aa = CD) or XA01899P (aa = C1)		

Product	Deltabar PMD78B-aabbccdefghikkllmmnnnopq + rrssttuuvvwwxyyyzααββγγδδϵϵ: where,		
	aa	(approval)	CD or C1
	bb	(output)	AA, BA
	c	(display; operation)	A, C, D, E, F, H
	d	(transmitter housing; mat'l)	B, J, K, M
	e	(electrical conn.)	H
	f	(application)	B, C, 9
	gg	(sensor range)	7x, 9Y
	h	(calibration; unit)	alphanumeric character (not relevant for safety)
	i	(design high pressure side)	alphanumeric character (not relevant for safety)
	kkk	(design low pressure side)	3 alphanumeric characters (not relevant for safety)
	ll	(process connection, sealing surface)	2 alphanumeric characters (not relevant for safety)
	mmm	(process connection, HP side)	3 alphanumeric characters (not relevant for safety)



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

	nnn	(process connection, LP side)	3 alphanumeric characters (not relevant for safety)
	o	(membrane material)	alphanumeric character (not relevant for safety)
	p	(fill fluid)	alphanumeric character (not relevant for safety)
	q	(seal LP side)	alphanumeric character (not relevant for safety)
	+	(additional options: any number of each of the following options may be chosen)	
	rr	(operation language display)	2 alphanumeric characters (not relevant for safety)
	ss	(membrane coating)	2 alphanumeric characters (not relevant for safety)
	tt	(application package)	2 alphanumeric characters (not relevant for safety)
	uu	(calibration)	2 alphanumeric characters (not relevant for safety)
	vv	(extended nominal pressure)	GK, G9
	ww	(service)	2 alphanumeric characters (not relevant for safety)
	xx	(test, certificate, declaration)	JL, JT (aa = CD only) or other 2 alphanumeric characters (not relevant for safety)
	yy	(additional approval)	2 alphanumeric characters (not relevant for safety)
	zz	(sensor design)	option not allowed for aa = CD or C1
	αα	(accessory mounted)	NA or other 2 alphanumeric characters (not relevant for safety)
	ββ	(accessory enclosed)	PA or other 2 alphanumeric characters (not relevant for safety)
	γγ	(country, regional adaption)	2 alphanumeric characters (not relevant for safety)
	δδ	(firmware version)	2 alphanumeric characters (not relevant for safety)
	εε	(marking)	2 alphanumeric characters (not relevant for safety)
	Note: Some option codes may be restricted for certain model types.		
Electrical Rating	10.5...35Vdc, 4...20mA		
Enclosure Rating	Type 4X/6P, IP66/68		
Temp. code, ambient (Ta) and process temp. (Tp)	T6: $-40^{\circ}\text{C}^* \leq \text{Ta} \leq +60^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq \text{Tp} \leq +80^{\circ}\text{C}$ T4: $-40^{\circ}\text{C}^* \leq \text{Ta} \leq +70^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq \text{Tp} \leq +125^{\circ}\text{C}$		Refer to installation drawings for additional temperature codes (T3...T1) and deratings of Ta relative to higher process temperatures ($\text{Tp} \leq +400^{\circ}\text{C}$) and device options. * ambient reduced to -50°C for xx=JL and -60°C for xx=JT (aa = CD only)
MWP and Process Seal	MWP: up to 420 bar	Single Seal	
Installation Drawing	XA01897P (aa = CD) or XA01899P (aa = C1)		

Conditions of Acceptability:

1. The end user shall ensure appropriate earthing of all metallic accessories upon installation.
2. The device shall only be supplied by Class 2 or limited energy source in accordance with CSA/UL 61010-1-12.
3. Because of the risk of discharge the non-metallic parts of the equipment and of all non-metallic accessories must be protected from electrostatic charging during installation and operation.



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

Class I, Division 1, Groups B,C,D ; Class II, Division 1, Groups E,F,G; Class III T6...T1
Ex db IIC T6...T1 Gb
Class I, Zone 1 AEx db IIC T6...T1 Gb

Product	Cerabar PMP51B-aabbccdefghijklmmno + ppqrrssttuuvvwwxyzzaa: where,	
	aa	(approval) CD
	bb	(output) AA, BA
	c	(display; operation) A, C, D, E, F, H
	d	(transmitter housing; mat'l) B, J, K, M
	e	(electrical conn.) H
	f	(pressure type) 6, 8, 9
	g	(application) A, B, 9
	h	(diaphragm seal) A, D, G, M...T, Y
	ii	(sensor range) 3x, 9Y
	k	(calibration; unit) alphanumeric character (not relevant for safety)
	ll	(process connection, sealing surface) 2 alphanumeric characters (not relevant for safety)
	mmm	(process connection) 3 alphanumeric characters (not relevant for safety)
	n	(membrane material) alphanumeric character (not relevant for safety)
	o	(fill fluid) alphanumeric character (not relevant for safety)
	+	(additional options: any number of each of the following options may be chosen)
	pp	(membrane coating) 2 alphanumeric characters (not relevant for safety)
	qq	(reference accuracy) 2 alphanumeric characters (not relevant for safety)
	rr	(calibration) 2 alphanumeric characters (not relevant for safety)
	ss	(service) 2 alphanumeric characters (not relevant for safety)
	tt	(test, certificate, declaration) 2 alphanumeric characters (not relevant for safety)
	uu	(additional approval) 2 alphanumeric characters (not relevant for safety)
	vv	(sensor design) option not allowed for aa = CD or C1
ww	(accessory mounted) NA or other 2 alphanumeric characters (not relevant for safety)	
xx	(accessory enclosed) PA, PB or other 2 alphanumeric characters (not relevant for safety)	
yy	(country, regional adaption) 2 alphanumeric characters (not relevant for safety)	
zz	(firmware version) 2 alphanumeric characters (not relevant for safety)	
αα	(marking) 2 alphanumeric characters (not relevant for safety)	
Note: Some option codes may be restricted for certain model types.		
Electrical Rating	10.5...35Vdc, 4...20mA	
Enclosure Rating	Type 4X/6P, IP66/68	
Temp. code, ambient (Ta) and process temp. (Tp)	T6: -40°C ≤ Ta ≤ +60°C and -40°C ≤ Tp ≤ +80°C T4: -40°C ≤ Ta ≤ +70°C and -40°C ≤ Tp ≤ +125°C	Refer to installation drawings for additional temperature codes (T3...T1) and deratings of Ta relative to higher process temperatures (Tp ≤ +400°C) and device options.
MWP and Process Seal	MWP: up to 400 bar	Single Seal
Installation Drawing	XA01891P	



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

Cerabar PMP71B-aabbcddefghijklmmno + ppqrrssttuuvvwxyzzaaββγγ: where,			
Product	aa	(approval)	CD or C1
	bb	(output)	AA, BA
	c	(display; operation)	A, C, D, E, F, H
	d	(transmitter housing; mat'l)	B, J, K, M
	e	(electrical conn.)	H
	f	(pressure type)	6, 8, 9
	g	(application)	A, B, 9
	h	(diaphragm seal)	A, D, G, M...T, Y
	ii	(sensor range)	3x, 9Y
	k	(calibration; unit)	alphanumeric character (not relevant for safety)
	ll	(process connection, sealing surface)	2 alphanumeric characters (not relevant for safety)
	mmm	(process connection)	3 alphanumeric characters (not relevant for safety)
	n	(membrane material)	alphanumeric character (not relevant for safety)
	o	(fill fluid)	alphanumeric character (not relevant for safety)
	+	(additional options: any number of each of the following options may be chosen)	
	pp	(operation language display)	2 alphanumeric characters (not relevant for safety)
	qq	(membrane coating)	2 alphanumeric characters (not relevant for safety)
	rr	(application package)	2 alphanumeric characters (not relevant for safety)
	ss	(reference accuracy)	2 alphanumeric characters (not relevant for safety)
	tt	(calibration)	2 alphanumeric characters (not relevant for safety)
	uu	(service)	2 alphanumeric characters (not relevant for safety)
	vv	(test, certificate, declaration)	JL, JT (aa = CD only) or other 2 alphanumeric characters (not relevant for safety)
	ww	(additional approval)	2 alphanumeric characters (not relevant for safety)
xx	(sensor design)	option not allowed for aa = CD or C1	
yy	(accessory mounted)	NA or other 2 alphanumeric characters (not relevant for safety)	
zz	(accessory enclosed)	PA, PB or other 2 alphanumeric characters (not relevant for safety)	
αα	(country, regional adaption)	2 alphanumeric characters (not relevant for safety)	
ββ	(firmware version)	2 alphanumeric characters (not relevant for safety)	
γγ	(marking)	2 alphanumeric characters (not relevant for safety)	
Note: Some option codes may be restricted for certain model types.			
Electrical Rating	10.5...35Vdc, 4...20mA		
Enclosure Rating	Type 4X/6P, IP66/68		
Temp. code, ambient (Ta) and process temp. (Tp)	T6: -40°C* ≤ Ta ≤ +60°C and -40°C ≤ Tp ≤ +80°C T4: -40°C* ≤ Ta ≤ +70°C and -40°C ≤ Tp ≤ +125°C	Refer to installation drawings for additional temperature codes (T3...T1) and deratings of Ta relative to higher process temperatures (Tp ≤ +400°C) and device options. * lower ambient reduced to -50°C for vv=JL and -60°C for vv=JT (aa = CD only)	
MWP and Process Seal	MWP: up to 700 bar	Single Seal (up to 400 bar)	



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

Installation Drawing	XA01901P (aa = CD) or XA01903P (aa = C1)
----------------------	--

Conditions of Acceptability:

1. The end user shall ensure appropriate earthing of all metallic accessories upon installation.
2. The device shall only be supplied by Class 2 or limited energy source in accordance with CSA/UL 61010-1-12.
3. Because of the risk of discharge the non-metallic parts of the equipment and of all non-metallic accessories must be protected from electrostatic charging during installation and operation.

Class II, Division 1, Groups E,F,G; Class III T100°C... T150°C

Product	Deltabar PMD55B-aabbccdefghikkllmn + ooppqrrssttuuvvwwxyzz: where,	
	aa (approval)	CG
	bb (output)	AA, BA
	c (display; operation)	A, C, D, E, F, H
	d (transmitter housing; mat'l)	B, J, K, M
	e (electrical conn.)	H
	f (pressure type)	3, 6, 8, 9
	gg (sensor range)	7x, 9Y
	h (calibration; unit)	alphanumeric character (not relevant for safety)
	i (installation)	alphanumeric character (not relevant for safety)
	kkk (process connection)	3 alphanumeric characters (not relevant for safety)
	l (membrane material)	A, B, Y
	m (fill fluid)	alphanumeric character (not relevant for safety)
	n (seal)	alphanumeric character (not relevant for safety)
	+	(additional options: any number of each of the following options may be chosen)
	oo (ref. accuracy)	2 alphanumeric characters (not relevant for safety)
	pp (calibration cert.)	2 alphanumeric characters (not relevant for safety)
	qq (extended nom. pressure)	GK, G9
	rr (service)	2 alphanumeric characters (not relevant for safety)
	ss (test, Cert, declaration)	2 alphanumeric characters (not relevant for safety)
tt (additional approvals)	2 alphanumeric characters (not relevant for safety)	
uu (sensor design)	option not allowed for aa = CG	
vv (accessory mounted)	NA or other 2 alphanumeric characters (not relevant for safety)	
ww (accessory enclosed)	PA, PB or other 2 alphanumeric characters (not relevant for safety)	
xx (regional device adaption)	2 alphanumeric characters (not relevant for safety)	
yy (firmware version)	2 alphanumeric characters (not relevant for safety)	
zz (marking)	2 alphanumeric characters (not relevant for safety)	
Note: Some option codes may be restricted for certain model types.		
Electrical Rating	10.5...35Vdc, 4...20mA	
Enclosure Rating	Type 4X/6P, IP66/68	
Temp. code, ambient (Ta)	T100°C: -40°C ≤ Ta ≤ +65°C and -40°C ≤ Tp ≤ +100°C	Refer to installation drawings for additional information.



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

and process temp. (Tp)	
MWP	MWP: up to 160 bar
Installation Drawing	XA01894P

Product	Deltabar PMD75B-aabbccdefgghihkkllmn + ooppqrrssttuuvvwwxyyyzααββγγ: where,		
	aa	(approval) CG or C1	
	bb	(output) AA, BA	
	c	(display; operation) A, C, D, E, F, H	
	d	(transmitter housing; mat'l) B, J, K, M	
	e	(electrical conn.) H	
	f	(pressure type) 3, 6, 8, 9	
	gg	(sensor range) 7x, 9Y	
	h	(calibration; unit) alphanumeric character (not relevant for safety)	
	i	(installation) alphanumeric character (not relevant for safety)	
	kkk	(process connection) 3 alphanumeric characters (not relevant for safety)	
	l	(membrane material) A, B, C, D, Y	
	m	(fill fluid) alphanumeric character (not relevant for safety)	
	n	(seal) alphanumeric character (not relevant for safety)	
	+	(additional options: any number of each of the following options may be chosen)	
	oo	(operation language) 2 alphanumeric characters (not relevant for safety)	
	pp	(membrane coating) 2 alphanumeric characters (not relevant for safety)	
	qq	(application package) 2 alphanumeric characters (not relevant for safety)	
	rr	(ref. accuracy) 2 alphanumeric characters (not relevant for safety)	
	ss	(calibration cert.) 2 alphanumeric characters (not relevant for safety)	
	tt	(extended nom. pressure) GK, GM, GQ, G9	
	uu	(service) 2 alphanumeric characters (not relevant for safety)	
	vv	(test, Cert, declaration) 2 alphanumeric characters (not relevant for safety)	
	ww	(additional approvals) 2 alphanumeric characters (not relevant for safety)	
	xx	(sensor design) option not allowed for aa = CG or C1	
	yy	(accessory mounted) NA or other 2 alphanumeric characters (not relevant for safety)	
	zz	(accessory enclosed) PA, PB or other 2 alphanumeric characters (not relevant for safety)	
	αα	(regional device adaption) 2 alphanumeric characters (not relevant for safety)	
ββ	(firmware version) 2 alphanumeric characters (not relevant for safety)		
γγ	(marking) 2 alphanumeric characters (not relevant for safety)		
Note: Some option codes may be restricted for certain model types.			
Electrical Rating	10.5...35Vdc, 4...20mA		
Enclosure Rating	Type 4X/6P, IP66/68		
Temp. code, ambient (Ta) and process temp. (Tp)	T100°C: -40°C ≤ Ta ≤ +65°C and -40°C ≤ Tp ≤ +100°C	Refer to installation drawings for additional information.	



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

MWP	MWP: up to 420 bar
Installation Drawing	XA01897P (aa = CG) or XA01899P (aa = C1)

Product	Deltabar PMD78B-aabbccdefghikkllmmnnnopq + rrssttuuvvwwxyyyzααββγγδδεε: where,	
	aa	(approval) CG or C1
	bb	(output) AA, BA
	c	(display; operation) A, C, D, E, F, H
	d	(transmitter housing; mat'l) B, J, K, M
	e	(electrical conn.) H
	f	(application) B, C, 9
	gg	(sensor range) 7x, 9Y
	h	(calibration; unit) alphanumeric character (not relevant for safety)
	i	(design high pressure side) alphanumeric character (not relevant for safety)
	kkk	(design low pressure side) 3 alphanumeric characters (not relevant for safety)
	ll	(process connection, sealing surface) 2 alphanumeric characters (not relevant for safety)
	mmm	(process connection, HP side) 3 alphanumeric characters (not relevant for safety)
	nnn	(process connection, LP side) 3 alphanumeric characters (not relevant for safety)
	o	(membrane material) alphanumeric character (not relevant for safety)
	p	(fill fluid) alphanumeric character (not relevant for safety)
	q	(seal LP side) alphanumeric character (not relevant for safety)
	+	(additional options: any number of each of the following options may be chosen)
	rr	(operation language display) 2 alphanumeric characters (not relevant for safety)
	ss	(membrane coating) 2 alphanumeric characters (not relevant for safety)
	tt	(application package) 2 alphanumeric characters (not relevant for safety)
	uu	(calibration) 2 alphanumeric characters (not relevant for safety)
	vv	(extended nominal pressure) GK, G9
	ww	(service) 2 alphanumeric characters (not relevant for safety)
	xx	(test, certificate, declaration) 2 alphanumeric characters (not relevant for safety)
	yy	(additional approval) 2 alphanumeric characters (not relevant for safety)
	zz	(sensor design) option not allowed for aa = CG or C1
	αα	(accessory mounted) NA or other 2 alphanumeric characters (not relevant for safety)
ββ	(accessory enclosed) PA or other 2 alphanumeric characters (not relevant for safety)	
γγ	(country, regional adaption) 2 alphanumeric characters (not relevant for safety)	
δδ	(firmware version) 2 alphanumeric characters (not relevant for safety)	
εε	(marking) 2 alphanumeric characters (not relevant for safety)	
Note: Some option codes may be restricted for certain model types.		
Electrical Rating	10.5...35Vdc, 4...20mA	
Enclosure Rating	Type 4X/6P, IP66/68	
Temp. code, ambient (Ta)	T100°C: -40°C ≤ Ta ≤ +70°C and -40°C ≤ Tp ≤ +400°C	Refer to installation drawings for additional information.



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

and process temp. (Tp)	
MWP	MWP: up to 420 bar
Installation Drawing	XA01897P (aa = CG) or XA01899P (aa = C1)

Product	Cerabar PMP51B-aabbcddefghijklmmno + ppqrrssttuuvvwxyzzaa: where,		
	aa	(approval) CG	
	bb	(output) AA, BA	
	c	(display; operation) A, C, D, E, F, H	
	d	(transmitter housing; mat'l) B, J, K, M	
	e	(electrical conn.) H	
	f	(pressure type) 6, 8, 9	
	g	(application) A, B, 9	
	h	(diaphragm seal) A, D, G, M...T, Y	
	ii	(sensor range) 3x, 9Y	
	k	(calibration; unit) alphanumeric character (not relevant for safety)	
	ll	(process connection, sealing surface) 2 alphanumeric characters (not relevant for safety)	
	mmm	(process connection) 3 alphanumeric characters (not relevant for safety)	
	n	(membrane material) alphanumeric character (not relevant for safety)	
	o	(fill fluid) alphanumeric character (not relevant for safety)	
	+	(additional options: any number of each of the following options may be chosen)	
	pp	(membrane coating) 2 alphanumeric characters (not relevant for safety)	
	qq	(reference accuracy) 2 alphanumeric characters (not relevant for safety)	
	rr	(calibration) 2 alphanumeric characters (not relevant for safety)	
	ss	(service) 2 alphanumeric characters (not relevant for safety)	
	tt	(test, certificate, declaration) 2 alphanumeric characters (not relevant for safety)	
	uu	(additional approval) 2 alphanumeric characters (not relevant for safety)	
	vv	(sensor design) option not allowed for aa = CG	
	ww	(accessory mounted) NA or other 2 alphanumeric characters (not relevant for safety)	
	xx	(accessory enclosed) PA, PB or other 2 alphanumeric characters (not relevant for safety)	
	yy	(country, regional adaption) 2 alphanumeric characters (not relevant for safety)	
zz	(firmware version) 2 alphanumeric characters (not relevant for safety)		
αα	(marking) 2 alphanumeric characters (not relevant for safety)		
Note: Some option codes may be restricted for certain model types.			
Electrical Rating	10.5...35Vdc, 4...20mA		
Enclosure Rating	Type 4X/6P, IP66/68		
Temp. code, ambient (Ta) and process temp. (Tp)	T125°C: -40°C ≤ Ta ≤ +65°C and -40°C ≤ Tp ≤ +80°C	Refer to installation drawing for additional deratings of Ta relative to higher process temperatures (Tp ≤ +400°C) and device options.	
MWP	MWP: up to 400 bar		



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

Installation Drawing	XA01891P
----------------------	----------

Product	Cerabar PMP71B-aabbcddefghiikllmmno + ppqrrssttuuvvwwxyyzzaaββγγ: where,		
	aa	(approval) CG or C1	
	bb	(output) AA, BA	
	c	(display; operation) A, C, D, E, F, H	
	d	(transmitter housing; mat'l) B, J, K, M	
	e	(electrical conn.) H	
	f	(pressure type) 6, 8, 9	
	g	(application) A, B, 9	
	h	(diaphragm seal) A, D, G, M...T, Y	
	ii	(sensor range) 3x, 9Y	
	k	(calibration; unit) alphanumeric character (not relevant for safety)	
	ll	(process connection, sealing surface) 2 alphanumeric characters (not relevant for safety)	
	mmm	(process connection) 3 alphanumeric characters (not relevant for safety)	
	n	(membrane material) alphanumeric character (not relevant for safety)	
	o	(fill fluid) alphanumeric character (not relevant for safety)	
	+	(additional options: any number of each of the following options may be chosen)	
	pp	(operation language display) 2 alphanumeric characters (not relevant for safety)	
	qq	(membrane coating) 2 alphanumeric characters (not relevant for safety)	
	rr	(application package) 2 alphanumeric characters (not relevant for safety)	
	ss	(reference accuracy) 2 alphanumeric characters (not relevant for safety)	
	tt	(calibration) 2 alphanumeric characters (not relevant for safety)	
	uu	(service) 2 alphanumeric characters (not relevant for safety)	
	vv	(test, certificate, declaration) 2 alphanumeric characters (not relevant for safety)	
	ww	(additional approval) 2 alphanumeric characters (not relevant for safety)	
	xx	(sensor design) option not allowed for aa = CG or C1	
	yy	(accessory mounted) NA or other 2 alphanumeric characters (not relevant for safety)	
	zz	(accessory enclosed) PA, PB or other 2 alphanumeric characters (not relevant for safety)	
αα	(country, regional adaption) 2 alphanumeric characters (not relevant for safety)		
ββ	(firmware version) 2 alphanumeric characters (not relevant for safety)		
γγ	(marking) 2 alphanumeric characters (not relevant for safety)		
Note: Some option codes may be restricted for certain model types.			
Electrical Rating	10.5...35Vdc, 4...20mA		
Enclosure Rating	Type 4X/6P, IP66/68		
Temp. code, ambient (Ta) and process temp. (Tp)	T125°C: -40°C ≤ Ta ≤ +65°C and -40°C ≤ Tp ≤ +80°C	Refer to installation drawing for additional deratings of Ta relative to higher process temperatures (Tp ≤ +400°C) and device options.	
MWP	MWP: up to 700 bar		
Installation Drawing	XA01901P (aa = CG) or XA01903P (aa = C1)		



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

Product	Cerabar PMC51B-aabbcddefgghiiikkll + mmmnooppqqrrssttuuvvww: where,	
	aa (approval)	CG
	bb (output)	AA, BA
	c (display; operation)	A, C, D, E, F, H
	d (transmitter housing; mat'l)	B, J, K, M
	e (electrical conn.)	H
	f (pressure type)	6, 8, 9
	gg (sensor range)	3x, 9Y
	h (calibration; unit)	alphanumeric character (not relevant for safety)
	ii (process connection, sealing surface)	2 alphanumeric characters (not relevant for safety)
	kkk (process connection)	3 alphanumeric characters (not relevant for safety)
	l (seal, process connected)	D, G, J, M, P, R, Y
	+	(additional options: any number of each of the following options may be chosen)
	mm (reference accuracy)	2 alphanumeric characters (not relevant for safety)
	nn (calibration)	2 alphanumeric characters (not relevant for safety)
	oo (service)	2 alphanumeric characters (not relevant for safety)
	pp (test, Cert, declaration)	2 alphanumeric characters (not relevant for safety)
	qq (additional approvals)	2 alphanumeric characters (not relevant for safety)
	rr (sensor design)	option not allowed for aa = CG
	ss (accessory mounted)	NA or other 2 alphanumeric characters (not relevant for safety)
tt (accessory enclosed)	PA, PB or other 2 alphanumeric characters (not relevant for safety)	
uu (regional device adaption)	2 alphanumeric characters (not relevant for safety)	
vv (firmware version)	2 alphanumeric characters (not relevant for safety)	
ww (marking)	2 alphanumeric characters (not relevant for safety)	
Note: Some option codes may be restricted for certain model types.		
Electrical Rating	10.5...35Vdc, 4...20mA	
Enclosure Rating	Type 4X/6P, IP66/68	
Temp. code, ambient (Ta) and process temp. (Tp)	T125°C: $-40^{\circ}\text{C} \leq \text{Ta} \leq +65^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq \text{Tp} \leq +70^{\circ}\text{C}$	Refer to installation drawing for additional deratings of Ta relative to higher process temperatures ($\text{Tp} \leq +125^{\circ}\text{C}$).
MWP	MWP: up to 40 bar	
Installation Drawing	XA01891P	

Product	Cerabar PMC71B-aabbcddefghhikkllm + nnooppqqrrssttuuvvwwxyzz: where,	
	aa (approval)	CG or C1
	bb (output)	AA, BA
	c (display; operation)	A, C, D, E, F, H
	d (transmitter housing; mat'l)	B, J, K, M
	e (electrical conn.)	H



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

	f	(pressure type)	6, 8, 9
	g	(application)	alphanumeric character (not relevant for safety)
	hh	(sensor range)	3x, 9Y
	i	(calibration; unit)	alphanumeric character (not relevant for safety)
	kk	(process connection, sealing surface)	2 alphanumeric characters (not relevant for safety)
	lll	(process connection)	3 alphanumeric characters (not relevant for safety)
	m	(seal, process connected)	D, G, J, M, P, R, Y
	+	(additional options: any number of each of the following options may be chosen)	
	nn	(operation language display)	2 alphanumeric characters (not relevant for safety)
	oo	(application package)	EC or other 2 alphanumeric characters (not relevant for safety)
	pp	(reference accuracy)	2 alphanumeric characters (not relevant for safety)
	qq	(calibration)	2 alphanumeric characters (not relevant for safety)
	rr	(service)	2 alphanumeric characters (not relevant for safety)
	ss	(test, Cert, declaration)	2 alphanumeric characters (not relevant for safety)
	tt	(additional approvals)	2 alphanumeric characters (not relevant for safety)
	uu	(sensor design)	option not allowed for aa = CG or C1
	vv	(accessory mounted)	NA or other 2 alphanumeric characters (not relevant for safety)
	ww	(accessory enclosed)	PA, PB or other 2 alphanumeric characters (not relevant for safety)
	xx	(regional device adaption)	2 alphanumeric characters (not relevant for safety)
	yy	(firmware version)	2 alphanumeric characters (not relevant for safety)
	zz	(marking)	2 alphanumeric characters (not relevant for safety)
	Note: Some option codes may be restricted for certain model types.		
Electrical Rating	10.5...35Vdc, 4...20mA		
Enclosure Rating	Type 4X/6P, IP66/68		
Temp. code, ambient (Ta) and process temp. (Tp)	T125°C: -40°C ≤ Ta ≤ +65°C and -40°C ≤ Tp ≤ +70°C		Refer to installation drawing for additional Temp. code (T150°C) and deratings of Ta relative to higher process temperatures (Tp ≤ +150°C) and device options.
MWP	MWP: up to 40 bar		
Installation Drawing	XA01901P (aa = CG) or XA01903P (aa = C1)		

Conditions of Acceptability:

1. The end user shall ensure appropriate earthing of all metallic accessories upon installation.
2. The device shall only be supplied by Class 2 or limited energy source in accordance with CSA/UL 61010-1-12.

Class I, Division 2, Groups A, B, C and D, T6...T1:

Product	Deltabar PMD55B-aabbccdefghikkllmn + ooppqrrssttuuvvwwxyzz: where,		
	aa	(approval)	CD
	bb	(output)	AA, BA



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

	c	(display; operation)	A, C, D, E, F, H
	d	(transmitter housing; mat'l)	B, J, K, M
	e	(electrical conn.)	H
	f	(pressure type)	3, 6, 8, 9
	gg	(sensor range)	7x, 9Y
	h	(calibration; unit)	alphanumeric character (not relevant for safety)
	i	(installation)	alphanumeric character (not relevant for safety)
	kkk	(process connection)	3 alphanumeric characters (not relevant for safety)
	l	(membrane material)	A, B, Y
	m	(fill fluid)	alphanumeric character (not relevant for safety)
	n	(seal)	alphanumeric character (not relevant for safety)
	+	(additional options: any number of each of the following options may be chosen)	
	oo	(ref. accuracy)	2 alphanumeric characters (not relevant for safety)
	pp	(calibration cert.)	2 alphanumeric characters (not relevant for safety)
	qq	(extended nom. pressure)	GK, G9
	rr	(service)	2 alphanumeric characters (not relevant for safety)
	ss	(test, Cert, declaration)	2 alphanumeric characters (not relevant for safety)
	tt	(additional approvals)	2 alphanumeric characters (not relevant for safety)
	uu	(sensor design)	option not allowed for aa = CD
	vv	(accessory mounted)	NA or other 2 alphanumeric characters (not relevant for safety)
	ww	(accessory enclosed)	PA, PB or other 2 alphanumeric characters (not relevant for safety)
	xx	(regional device adaption)	2 alphanumeric characters (not relevant for safety)
	yy	(firmware version)	2 alphanumeric characters (not relevant for safety)
	zz	(marking)	2 alphanumeric characters (not relevant for safety)
	Note: Some option codes may be restricted for certain model types.		
Electrical Rating	10.5...35Vdc, 4...20mA		
Enclosure Rating	Type 4X/6P, IP66/68		
Temp. code, ambient (Ta) and process temp. (Tp)	T6: $-40^{\circ}\text{C} \leq \text{Ta} \leq +60^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq \text{Tp} \leq +80^{\circ}\text{C}$ T4: $-40^{\circ}\text{C} \leq \text{Ta} \leq +65^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq \text{Tp} \leq +85^{\circ}\text{C}$		Refer to installation drawing for additional deratings of Ta relative to higher process temperatures ($\text{Tp} \leq +100^{\circ}\text{C}$).
MWP and Process Seal	MWP: up to 160 bar	Single Seal	
Installation Drawing	XA01894P		

Product	Deltabar PMD75B-aabbccdefghhikkllmn + ooppqrrssttuuvvwxxyzzaaßßγγ: where,		
	aa	(approval)	CD or C1
	bb	(output)	AA, BA
	c	(display; operation)	A, C, D, E, F, H
	d	(transmitter housing; mat'l)	B, J, K, M
	e	(electrical conn.)	H
	f	(pressure type)	3, 6, 8, 9



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

	gg	(sensor range)	7x, 9Y
	h	(calibration; unit)	alphanumeric character (not relevant for safety)
	i	(installation)	alphanumeric character (not relevant for safety)
	kkk	(process connection)	3 alphanumeric characters (not relevant for safety)
	l	(membrane material)	A, B, C, D, Y
	m	(fill fluid)	alphanumeric character (not relevant for safety)
	n	(seal)	alphanumeric character (not relevant for safety)
	+	(additional options: any number of each of the following options may be chosen)	
	oo	(operation language)	2 alphanumeric characters (not relevant for safety)
	pp	(membrane coating)	2 alphanumeric characters (not relevant for safety)
	qq	(application package)	2 alphanumeric characters (not relevant for safety)
	rr	(ref. accuracy)	2 alphanumeric characters (not relevant for safety)
	ss	(calibration cert.)	2 alphanumeric characters (not relevant for safety)
	tt	(extended nom. pressure)	GK, GM, GQ, G9
	uu	(service)	2 alphanumeric characters (not relevant for safety)
	vv	(test, Cert, declaration)	JL, JT (aa = CD only) or other 2 alphanumeric characters (not relevant for safety)
	ww	(additional approvals)	2 alphanumeric characters (not relevant for safety)
	xx	(sensor design)	option not allowed for aa = CD or C1
	yy	(accessory mounted)	NA or other 2 alphanumeric characters (not relevant for safety)
	zz	(accessory enclosed)	PA, PB or other 2 alphanumeric characters (not relevant for safety)
	αα	(regional device adaption)	2 alphanumeric characters (not relevant for safety)
	ββ	(firmware version)	2 alphanumeric characters (not relevant for safety)
	γγ	(marking)	2 alphanumeric characters (not relevant for safety)
	Note: Some option codes may be restricted for certain model types.		
Electrical Rating	10.5...35Vdc, 4...20mA		
Enclosure Rating	Type 4X/6P, IP66/68		
Temp. code, ambient (Ta) and process temp. (Tp)	T6: -40°C* ≤ Ta ≤ +60°C and -40°C ≤ Tp ≤ +80°C T4: -40°C* ≤ Ta ≤ +65°C and -40°C ≤ Tp ≤ +85°C		Refer to installation drawings for additional deratings of Ta relative to higher process temperatures (Tp ≤ +100°C) and device options. * ambient reduced to -50°C for vv=JL and -60°C for vv=JT (aa = CD only)
MWP and Process Seal	MWP: up to 420 bar	Single Seal	
Installation Drawing	XA01897P (aa = CD) or XA01899P (aa = C1)		

Product	Deltabar PMD78B-aabbccdefghikkllmmnnnopq + rrssttuuvvwxyyzzααββγγδδϵϵ: where,		
	aa	(approval)	CD or C1
	bb	(output)	AA, BA
	c	(display; operation)	A, C, D, E, F, H
	d	(transmitter housing; mat'l)	B, J, K, M
e	(electrical conn.)	H	



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

	f	(application)	B, C, 9
	gg	(sensor range)	7x, 9Y
	h	(calibration; unit)	alphanumeric character (not relevant for safety)
	i	(design high pressure side)	alphanumeric character (not relevant for safety)
	kkk	(design low pressure side)	3 alphanumeric characters (not relevant for safety)
	ll	(process connection, sealing surface)	2 alphanumeric characters (not relevant for safety)
	mmm	(process connection, HP side)	3 alphanumeric characters (not relevant for safety)
	nnn	(process connection, LP side)	3 alphanumeric characters (not relevant for safety)
	o	(membrane material)	alphanumeric character (not relevant for safety)
	p	(fill fluid)	alphanumeric character (not relevant for safety)
	q	(seal LP side)	alphanumeric character (not relevant for safety)
	+	(additional options: any number of each of the following options may be chosen)	
	rr	(operation language display)	2 alphanumeric characters (not relevant for safety)
	ss	(membrane coating)	2 alphanumeric characters (not relevant for safety)
	tt	(application package)	2 alphanumeric characters (not relevant for safety)
	uu	(calibration)	2 alphanumeric characters (not relevant for safety)
	vv	(extended nominal pressure)	GK, G9
	ww	(service)	2 alphanumeric characters (not relevant for safety)
	xx	(test, certificate, declaration)	JL, JT (aa = CD only) or other 2 alphanumeric characters (not relevant for safety)
	yy	(additional approval)	2 alphanumeric characters (not relevant for safety)
	zz	(sensor design)	option not allowed for aa = CD or C1
	αα	(accessory mounted)	NA or other 2 alphanumeric characters (not relevant for safety)
	ββ	(accessory enclosed)	PA or other 2 alphanumeric characters (not relevant for safety)
	γγ	(country, regional adaption)	2 alphanumeric characters (not relevant for safety)
	δδ	(firmware version)	2 alphanumeric characters (not relevant for safety)
	εε	(marking)	2 alphanumeric characters (not relevant for safety)
	Note: Some option codes may be restricted for certain model types.		
Electrical Rating	10.5...35Vdc, 4...20mA		
Enclosure Rating	Type 4X/6P, IP66/68		
Temp. code, ambient (Ta) and process temp. (Tp)	T6: $-40^{\circ}\text{C}^* \leq T_a \leq +60^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq T_p \leq +80^{\circ}\text{C}$ T4: $-40^{\circ}\text{C}^* \leq T_a \leq +70^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq T_p \leq +130^{\circ}\text{C}$		Refer to installation drawings for additional temperature codes (T3...T1) and deratings of Ta relative to higher process temperatures ($T_p \leq +400^{\circ}\text{C}$) and device options. * ambient reduced to -50°C for xx=JL and -60°C for xx=JT (aa = CD only)
MWP and Process Seal	MWP: up to 420 bar	Single Seal	
Installation Drawing	XA01897P (aa = CD) or XA01899P (aa = C1)		



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

Product	Cerabar PMP51B-aabbcddefghiikllmmno + ppqrrssttuuvvwwxyzzaa: where,	
	aa	(approval) CD
	bb	(output) AA, BA
	c	(display; operation) A, C, D, E, F, H
	d	(transmitter housing; mat'l) B, J, K, M
	e	(electrical conn.) H
	f	(pressure type) 6, 8, 9
	g	(application) A, B, 9
	h	(diaphragm seal) A, D, G, M...T, Y
	ii	(sensor range) 3x, 9Y
	k	(calibration; unit) alphanumeric character (not relevant for safety)
	ll	(process connection, sealing surface) 2 alphanumeric characters (not relevant for safety)
	mmm	(process connection) 3 alphanumeric characters (not relevant for safety)
	n	(membrane material) alphanumeric character (not relevant for safety)
	o	(fill fluid) alphanumeric character (not relevant for safety)
	+	(additional options: any number of each of the following options may be chosen)
	pp	(membrane coating) 2 alphanumeric characters (not relevant for safety)
	qq	(reference accuracy) 2 alphanumeric characters (not relevant for safety)
	rr	(calibration) 2 alphanumeric characters (not relevant for safety)
	ss	(service) 2 alphanumeric characters (not relevant for safety)
	tt	(test, certificate, declaration) 2 alphanumeric characters (not relevant for safety)
	uu	(additional approval) 2 alphanumeric characters (not relevant for safety)
	vv	(sensor design) option not allowed for aa = CD or C1
	ww	(accessory mounted) NA or other 2 alphanumeric characters (not relevant for safety)
	xx	(accessory enclosed) PA, PB or other 2 alphanumeric characters (not relevant for safety)
yy	(country, regional adaption) 2 alphanumeric characters (not relevant for safety)	
zz	(firmware version) 2 alphanumeric characters (not relevant for safety)	
αα	(marking) 2 alphanumeric characters (not relevant for safety)	
Note: Some option codes may be restricted for certain model types.		
Electrical Rating	10.5...35Vdc, 4...20mA	
Enclosure Rating	Type 4X/6P, IP66/68	
Temp. code, ambient (Ta) and process temp. (Tp)	T6: -40°C ≤ Ta ≤ +60°C and -40°C ≤ Tp ≤ +80°C T4: -40°C ≤ Ta ≤ +70°C and -40°C ≤ Tp ≤ +130°C	Refer to installation drawings for additional temperature codes (T3...T1) and deratings of Ta relative to higher process temperatures (Tp ≤ +400°C) and device options.
MWP and Process Seal	MWP: up to 400 bar	Single Seal
Installation Drawing	XA01891P	

Product	Cerabar PMP71B-aabbcddefghiikllmmno + ppqrrssttuuvvwwxyzzaaββγγ: where,	
	aa	(approval) CD or C1



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

	bb	(output)	AA, BA
	c	(display; operation)	A, C, D, E, F, H
	d	(transmitter housing; mat'l)	B, J, K, M
	e	(electrical conn.)	H
	f	(pressure type)	6, 8, 9
	g	(application)	A, B, 9
	h	(diaphragm seal)	A, D, G, M...T, Y
	ii	(sensor range)	3x, 9Y
	k	(calibration; unit)	alphanumeric character (not relevant for safety)
	ll	(process connection, sealing surface)	2 alphanumeric characters (not relevant for safety)
	mmm	(process connection)	3 alphanumeric characters (not relevant for safety)
	n	(membrane material)	alphanumeric character (not relevant for safety)
	o	(fill fluid)	alphanumeric character (not relevant for safety)
	+	(additional options: any number of each of the following options may be chosen)	
	pp	(operation language display)	2 alphanumeric characters (not relevant for safety)
	qq	(membrane coating)	2 alphanumeric characters (not relevant for safety)
	rr	(application package)	2 alphanumeric characters (not relevant for safety)
	ss	(reference accuracy)	2 alphanumeric characters (not relevant for safety)
	tt	(calibration)	2 alphanumeric characters (not relevant for safety)
	uu	(service)	2 alphanumeric characters (not relevant for safety)
	vv	(test, certificate, declaration)	JL, JT (aa = CD only) or other 2 alphanumeric characters (not relevant for safety)
	ww	(additional approval)	2 alphanumeric characters (not relevant for safety)
	xx	(sensor design)	option not allowed for aa = CD or C1
	yy	(accessory mounted)	NA or other 2 alphanumeric characters (not relevant for safety)
	zz	(accessory enclosed)	PA, PB or other 2 alphanumeric characters (not relevant for safety)
	αα	(country, regional adaption)	2 alphanumeric characters (not relevant for safety)
	ββ	(firmware version)	2 alphanumeric characters (not relevant for safety)
	γγ	(marking)	2 alphanumeric characters (not relevant for safety)
	Note: Some option codes may be restricted for certain model types.		
Electrical Rating	10.5...35Vdc, 4...20mA		
Enclosure Rating	Type 4X/6P, IP66/68		
Temp. code, ambient (Ta) and process temp. (Tp)	T6: $-40^{\circ}\text{C}^* \leq \text{Ta} \leq +60^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq \text{Tp} \leq +80^{\circ}\text{C}$ T4: $-40^{\circ}\text{C}^* \leq \text{Ta} \leq +70^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq \text{Tp} \leq +130^{\circ}\text{C}$		Refer to installation drawings for additional temperature codes (T3...T1) and deratings of Ta relative to higher process temperatures ($\text{Tp} \leq +400^{\circ}\text{C}$) and device options. * lower ambient reduced to -50°C for vv=JL and -60°C for vv=JT (aa = CD only)
MWP and Process Seal	MWP: up to 700 bar	Single Seal (up to 400 bar)	
Installation Drawing	XA01901P (aa = CD) or XA01903P (aa = C1)		



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

Product	Cerabar PMC51B-aabbccdefgghhiikkll + mmmnooppqqrrssttuuvvww: where,	
	aa (approval)	CD
	bb (output)	AA, BA
	c (display; operation)	A, C, D, E, F, H
	d (transmitter housing; mat'l)	B, J, K, M
	e (electrical conn.)	H
	f (pressure type)	6, 8, 9
	gg (sensor range)	3x, 9Y
	h (calibration; unit)	alphanumeric character (not relevant for safety)
	ii (process connection, sealing surface)	2 alphanumeric characters (not relevant for safety)
	kkk (process connection)	3 alphanumeric characters (not relevant for safety)
	l (seal, process connected)	D, G, J, M, P, R, Y
	+	(additional options: any number of each of the following options may be chosen)
	mm (reference accuracy)	2 alphanumeric characters (not relevant for safety)
	nn (calibration)	2 alphanumeric characters (not relevant for safety)
	oo (service)	2 alphanumeric characters (not relevant for safety)
	pp (test, Cert, declaration)	2 alphanumeric characters (not relevant for safety)
	qq (additional approvals)	2 alphanumeric characters (not relevant for safety)
	rr (sensor design)	option not allowed for aa = CD or C1
	ss (accessory mounted)	NA or other 2 alphanumeric characters (not relevant for safety)
tt (accessory enclosed)	PA, PB or other 2 alphanumeric characters (not relevant for safety)	
uu (regional device adaption)	2 alphanumeric characters (not relevant for safety)	
vv (firmware version)	2 alphanumeric characters (not relevant for safety)	
ww (marking)	2 alphanumeric characters (not relevant for safety)	
Note: Some option codes may be restricted for certain model types.		
Electrical Rating	10.5...35Vdc, 4...20mA	
Enclosure Rating	Type 4X/6P, IP66/68	
Temp. code, ambient (Ta) and process temp. (Tp)	T6: $-40^{\circ}\text{C} \leq \text{Ta} \leq +60^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq \text{Tp} \leq +80^{\circ}\text{C}$ T4: $-40^{\circ}\text{C} \leq \text{Ta} \leq +60^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq \text{Tp} \leq +100^{\circ}\text{C}$	Refer to installation drawings for additional deratings of Ta relative to higher process temperatures ($\text{Tp} \leq +125^{\circ}\text{C}$) and device options.
MWP and Process Seal	MWP: up to 40 bar	Single Seal
Installation Drawing	XA01891P	

Product	Cerabar PMC71B-aabbccdefghhikkllm + nnooppqqrrssttuuvvwwxyzz: where,	
	aa (approval)	CD or C1
	bb (output)	AA, BA
	c (display; operation)	A, C, D, E, F, H
	d (transmitter housing; mat'l)	B, J, K, M
e (electrical conn.)	H	



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

	f	(pressure type)	6, 8, 9
	g	(application)	alphanumeric character (not relevant for safety)
	hh	(sensor range)	3x, 9Y
	i	(calibration; unit)	alphanumeric character (not relevant for safety)
	kk	(process connection, sealing surface)	2 alphanumeric characters (not relevant for safety)
	lll	(process connection)	3 alphanumeric characters (not relevant for safety)
	m	(seal, process connected)	D, G, J, M, P, R, Y
	+	(additional options: any number of each of the following options may be chosen)	
	nn	(operation language display)	2 alphanumeric characters (not relevant for safety)
	oo	(application package)	EC or other 2 alphanumeric characters (not relevant for safety)
	pp	(reference accuracy)	2 alphanumeric characters (not relevant for safety)
	qq	(calibration)	2 alphanumeric characters (not relevant for safety)
	rr	(service)	2 alphanumeric characters (not relevant for safety)
	ss	(test, Cert, declaration)	2 alphanumeric characters (not relevant for safety)
	tt	(additional approvals)	2 alphanumeric characters (not relevant for safety)
	uu	(sensor design)	option not allowed for aa = CD or C1
	vv	(accessory mounted)	NA or other 2 alphanumeric characters (not relevant for safety)
	ww	(accessory enclosed)	PA, PB or other 2 alphanumeric characters (not relevant for safety)
	xx	(regional device adaption)	2 alphanumeric characters (not relevant for safety)
	yy	(firmware version)	2 alphanumeric characters (not relevant for safety)
	zz	(marking)	2 alphanumeric characters (not relevant for safety)
	Note: Some option codes may be restricted for certain model types.		
Electrical Rating	10.5...35Vdc, 4...20mA		
Enclosure Rating	Type 4X/6P, IP66/68		
Temp. code, ambient (Ta) and process temp. (Tp)	T6: $-40^{\circ}\text{C} \leq \text{Ta} \leq +65^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq \text{Tp} \leq +80^{\circ}\text{C}$ T4: $-40^{\circ}\text{C} \leq \text{Ta} \leq +60^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq \text{Tp} \leq +125^{\circ}\text{C}$		Refer to installation drawings for additional temp. code (T3) and deratings of Ta relative to higher process temperatures ($\text{Tp} \leq +150^{\circ}\text{C}$) and device options.
MWP and Process Seal	MWP: up to 40 bar		Single Seal
Installation Drawing	XA01901P (aa = CD) or XA01903P (aa = C1)		

Conditions of Acceptability:

1. The end user shall ensure appropriate earthing of all metallic accessories upon installation.
2. The device shall only be supplied by Class 2 or limited energy source in accordance with CSA/UL 61010-1-12.



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

- CLASS 2258 03** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Incendive Systems - For Hazardous Locations
CLASS 2258 83 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Incendive Systems - For Hazardous Locations– Certified to U.S. Standards

Class I, Division 1, Groups A,B,C,D ; Class II, Division 1, Groups E,F,G; Class III T6...T3
Ex db ia IIC T6...T3 Gb
Class I, Zone 1 AEx db ia IIC T6...T3 Gb

Product	Cerabar PMC51B-aabbcddefgghhiikkkl + mmmnooppqrrssttuuvvww: (Explosion proof transmitter with intrinsically safe sensor) where,	
	aa	(approval) CD
	bb	(output) AA, BA
	c	(display; operation) A, C, D, E, F, H
	d	(transmitter housing; mat'l) B, J, K, M
	e	(electrical conn.) H
	f	(pressure type) 6, 8, 9
	gg	(sensor range) 3x, 9Y
	h	(calibration; unit) alphanumeric character (not relevant for safety)
	ii	(process connection, sealing surface) 2 alphanumeric characters (not relevant for safety)
	kkk	(process connection) 3 alphanumeric characters (not relevant for safety)
	l	(seal, process connected) D, G, J, M, P, R, Y
	+	(additional options: any number of each of the following options may be chosen)
	mm	(reference accuracy) 2 alphanumeric characters (not relevant for safety)
	nn	(calibration) 2 alphanumeric characters (not relevant for safety)
	oo	(service) 2 alphanumeric characters (not relevant for safety)
	pp	(test, Cert, declaration) 2 alphanumeric characters (not relevant for safety)
	qq	(additional approvals) 2 alphanumeric characters (not relevant for safety)
	rr	(sensor design) option not allowed for aa = CD
	ss	(accessory mounted) NA or other 2 alphanumeric characters (not relevant for safety)
tt	(accessory enclosed) PA, PB or other 2 alphanumeric characters (not relevant for safety)	
uu	(regional device adaption) 2 alphanumeric characters (not relevant for safety)	
vv	(firmware version) 2 alphanumeric characters (not relevant for safety)	
ww	(marking) 2 alphanumeric characters (not relevant for safety)	
	<u>Notes:</u> <ul style="list-style-type: none"> Some option codes may be restricted for certain model types. Type of protection "db" refers to the protection method for the transmitter housing. Type of protection "ia" refers to the protection method for the sensor module. 	
Electrical Rating	10.5...35Vdc, 4...20mA	



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

Enclosure Rating	Type 4X/6P, IP66/68	
Temp. code, ambient (Ta) and process temp. (Tp)	T6: $-40^{\circ}\text{C} \leq \text{Ta} \leq +55^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq \text{Tp} \leq +80^{\circ}\text{C}$ T4: $-40^{\circ}\text{C} \leq \text{Ta} \leq +50^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq \text{Tp} \leq +100^{\circ}\text{C}$	Refer to installation drawings for additional deratings of Ta relative to higher process temperatures ($\text{Tp} \leq +125^{\circ}\text{C}$) and device options.
MWP and Process Seal	MWP: up to 40 bar	Single Seal
Installation Drawing	XA01891P	

Product	Cerabar PMC71B-aabbccdefghhikkllm + nnooppqrrssttuuvvwwxyzz: (Explosion proof transmitter with intrinsically safe sensor) where,	
	aa	(approval) CD or C1
	bb	(output) AA, BA
	c	(display; operation) A, C, D, E, F, H
	d	(transmitter housing; mat'l) B, J, K, M
	e	(electrical conn.) H
	f	(pressure type) 6, 8, 9
	g	(application) alphanumeric character (not relevant for safety)
	hh	(sensor range) 3x, 9Y
	i	(calibration; unit) alphanumeric character (not relevant for safety)
	kk	(process connection, sealing surface) 2 alphanumeric characters (not relevant for safety)
	lll	(process connection) 3 alphanumeric characters (not relevant for safety)
	m	(seal, process connected) D, G, J, M, P, R, Y
	+	(additional options: any number of each of the following options may be chosen)
	nn	(operation language display) 2 alphanumeric characters (not relevant for safety)
	oo	(application package) EC or other 2 alphanumeric characters (not relevant for safety)
	pp	(reference accuracy) 2 alphanumeric characters (not relevant for safety)
	qq	(calibration) 2 alphanumeric characters (not relevant for safety)
	rr	(service) 2 alphanumeric characters (not relevant for safety)
	ss	(test, Cert, declaration) 2 alphanumeric characters (not relevant for safety)
	tt	(additional approvals) 2 alphanumeric characters (not relevant for safety)
	uu	(sensor design) option not allowed for aa = CD
	vv	(accessory mounted) NA or other 2 alphanumeric characters (not relevant for safety)
	ww	(accessory enclosed) PA, PB or other 2 alphanumeric characters (not relevant for safety)
	xx	(regional device adaption) 2 alphanumeric characters (not relevant for safety)
	yy	(firmware version) 2 alphanumeric characters (not relevant for safety)
	zz	(marking) 2 alphanumeric characters (not relevant for safety)
<u>Notes:</u>		
<ul style="list-style-type: none"> Some option codes may be restricted for certain model types. Type of protection "db" refers to the protection method for the transmitter housing. Type of protection "ia" refers to the protection method for the sensor module. 		



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

Electrical Rating	10.5...35Vdc, 4...20mA	
Enclosure Rating	Type 4X/6P, IP66/68	
Temp. code, ambient (Ta) and process temp. (Tp)	T6: $-40^{\circ}\text{C} \leq \text{Ta} \leq +55^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq \text{Tp} \leq +80^{\circ}\text{C}$ T4: $-40^{\circ}\text{C} \leq \text{Ta} \leq +50^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq \text{Tp} \leq +100^{\circ}\text{C}$	Refer to installation drawings for additional temp. code (T3) and deratings of Ta relative to higher process temperatures ($\text{Tp} \leq +150^{\circ}\text{C}$) and device options.
MWP and Process Seal	MWP: up to 40 bar	Single Seal
Installation Drawing	XA01901P (aa = CD) or XA01903P (aa = C1)	

Conditions of Acceptability:

1. The end user shall ensure appropriate earthing of all metallic accessories upon installation.
2. The device shall only be supplied by Class 2 or limited energy source in accordance with CSA/UL 61010-1-12.
3. Because of the risk of discharge the non-metallic parts of the equipment and of all non-metallic accessories must be protected from electrostatic charging during installation and operation.

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations

CLASS 2258 84 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations– Certified to U.S. Standards

Class I, Division 1, Groups A, B, C and D; Class II, Division 1, Groups E, F and G; Class III T6...T1

Ex ia IIC T6 Ga

Class I, Zone 0 AEx ia IIC T6...T1 Ga

Product	Deltabar PMD55B-aabbcddefghikkllmn + ooppqrrssttuuvvwxyzz: where,		
	aa	(approval)	CB, CC (CC not suitable for Class II and III)
	bb	(output)	AA, BA
	c	(display; operation)	A, C, D, E, F, H
	d	(transmitter housing; mat'l)	B, J, K, M
	e	(electrical conn.)	A, B, C, F, H, M (only for aa = CC), S
	f	(pressure type)	3, 6, 8, 9
	gg	(sensor range)	7x, 9Y
	h	(calibration; unit)	alphanumeric character (not relevant for safety)
	i	(installation)	alphanumeric character (not relevant for safety)
	kkk	(process connection)	3 alphanumeric characters (not relevant for safety)
	l	(membrane material)	A, B, Y
	m	(fill fluid)	alphanumeric character (not relevant for safety)
	n	(seal)	alphanumeric character (not relevant for safety)
	+	(additional options: any number of each of the following options may be chosen)	
	oo	(ref. accuracy)	2 alphanumeric characters (not relevant for safety)
	pp	(calibration cert.)	2 alphanumeric characters (not relevant for safety)



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

	qq (extended nom. pressure)	GK, G9
	rr (service)	2 alphanumeric characters (not relevant for safety)
	ss (test, Cert, declaration)	2 alphanumeric characters (not relevant for safety)
	tt (additional approvals)	2 alphanumeric characters (not relevant for safety)
	uu (sensor design)	MA, MB, MC, MD, MH, M9
	vv (accessory mounted)	NA or other 2 alphanumeric characters (not relevant for safety)
	ww (accessory enclosed)	PA, PB or other 2 alphanumeric characters (not relevant for safety)
	xx (regional device adaption)	2 alphanumeric characters (not relevant for safety)
	yy (firmware version)	2 alphanumeric characters (not relevant for safety)
	zz (marking)	2 alphanumeric characters (not relevant for safety)
	Note: Some option codes may be restricted for certain model types.	
Electrical Rating	10.5...30Vdc, 4...20mA	
Enclosure Rating	Type 4X/6P, IP66/68	
Temp. code, ambient (Ta) and process temp. (Tp)	T6: $-40^{\circ}\text{C} \leq \text{Ta} \leq +50^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq \text{Tp} \leq +80^{\circ}\text{C}$ T4: $-40^{\circ}\text{C} \leq \text{Ta} \leq +60^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq \text{Tp} \leq +85^{\circ}\text{C}$	Refer to installation drawing for deratings of Ta relative to higher process temperatures ($\text{Tp} \leq +100^{\circ}\text{C}$) and device options.
MWP and Process Seal	MWP: up to 160 bar	Single Seal
Installation Drawing	XA01893P	

Product	Deltabar PMD75B-aabbccdefghikkllmn + ooppqrrssttuuvvwxxyyzzaaßßγγ: where,	
	aa (approval)	CB, CC or C1 (CC not suitable for Class II and III)
	bb (output)	AA, BA
	c (display; operation)	A, C, D, E, F, H
	d (transmitter housing; mat'l)	B, J, K, M
	e (electrical conn.)	A, B, C, F, H, M (only for aa=CC), S
	f (pressure type)	3, 6, 8, 9
	gg (sensor range)	7x, 9Y
	h (calibration; unit)	alphanumeric character (not relevant for safety)
	i (installation)	alphanumeric character (not relevant for safety)
	kkk (process connection)	3 alphanumeric characters (not relevant for safety)
	l (membrane material)	A, B, Y
	m (fill fluid)	alphanumeric character (not relevant for safety)
	n (seal)	alphanumeric character (not relevant for safety)
	+	(additional options: any number of each of the following options may be chosen)
	oo (operation language)	2 alphanumeric characters (not relevant for safety)
	pp (membrane coating)	2 alphanumeric characters (not relevant for safety)
	qq (application package)	2 alphanumeric characters (not relevant for safety)
	rr (ref. accuracy)	2 alphanumeric characters (not relevant for safety)
ss (calibration cert.)	2 alphanumeric characters (not relevant for safety)	
tt (extended nom. pressure)	GK, GM, GQ, G9	



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

	uu (service)	2 alphanumeric characters (not relevant for safety)
	vv (test, Cert, declaration)	JL, JN (aa = CB and CC only) or other 2 alphanumeric characters (not relevant for safety)
	ww (additional approvals)	2 alphanumeric characters (not relevant for safety)
	xx (sensor design)	MA, MB, MC, MD, MH, M9
	yy (accessory mounted)	NA or other 2 alphanumeric characters (not relevant for safety)
	zz (accessory enclosed)	PA, PB or other 2 alphanumeric characters (not relevant for safety)
	αα (regional device adaption)	2 alphanumeric characters (not relevant for safety)
	ββ (firmware version)	2 alphanumeric characters (not relevant for safety)
	γγ (marking)	2 alphanumeric characters (not relevant for safety)
	Note: Some option codes may be restricted for certain model types.	
Electrical Rating	10.5...30Vdc, 4...20mA	
Enclosure Rating	Type 4X/6P, IP66/68	
Temp. code, ambient (Ta) and process temp. (Tp)	T6: -40°C* ≤ Ta ≤ +50°C and -40°C ≤ Tp ≤ +80°C T4: -40°C* ≤ Ta ≤ +60°C and -40°C ≤ Tp ≤ +85°C	Refer to installation drawings for deratings of Ta relative to higher process temperatures (Tp ≤ +100°C) and device options. * ambient reduced to -50°C for tt=JL and -52°C for tt=JN (aa = CB and CC only)
MWP and Process Seal	MWP: up to 420 bar	Single Seal
Installation Drawing	XA01896P (aa = CB or CC) or XA01899P (aa = C1)	

Product	Deltabar PMD78B-aabbccdefghikkllmmnnnopq + rrssttuuvvwxyyzaαβγγδδεε: where,	
	aa (approval)	CB, CC* or C1 * CC not suitable for Class II and III
	bb (output)	AA, BA
	c (display; operation)	A, C, D, E, F, H
	d (transmitter housing; mat'l)	B, J, K, M
	e (electrical conn.)	A, B, C, F, H, M (only for aa=CC), S
	f (application)	B, C, 9
	gg (sensor range)	7x, 9Y
	h (calibration; unit)	alphanumeric character (not relevant for safety)
	i (design high pressure side)	alphanumeric character (not relevant for safety)
	kkk (design low pressure side)	3 alphanumeric characters (not relevant for safety)
	ll (process connection, sealing surface)	2 alphanumeric characters (not relevant for safety)
	mmm (process connection, HP side)	3 alphanumeric characters (not relevant for safety)
	nnn (process connection, LP side)	3 alphanumeric characters (not relevant for safety)
	o (membrane material)	alphanumeric character (not relevant for safety)
	p (fill fluid)	alphanumeric character (not relevant for safety)
	q (seal LP side)	alphanumeric character (not relevant for safety)
+	(additional options: any number of each of the following options may be chosen)	
rr (operation language display)	2 alphanumeric characters (not relevant for safety)	



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

	ss	(membrane coating)	2 alphanumeric characters (not relevant for safety)
	tt	(application package)	2 alphanumeric characters (not relevant for safety)
	uu	(calibration)	2 alphanumeric characters (not relevant for safety)
	vv	(extended nominal pressure)	GK, G9
	ww	(service)	2 alphanumeric characters (not relevant for safety)
	xx	(test, certificate, declaration)	JL, JN (aa = CB and CC only) or other 2 alphanumeric characters (not relevant for safety)
	yy	(additional approval)	2 alphanumeric characters (not relevant for safety)
	zz	(sensor design)	MA, MB, MC, MD, MH, M9
	αα	(accessory mounted)	NA or other 2 alphanumeric characters (not relevant for safety)
	ββ	(accessory enclosed)	PA or other 2 alphanumeric characters (not relevant for safety)
	γγ	(country, regional adaption)	2 alphanumeric characters (not relevant for safety)
	δδ	(firmware version)	2 alphanumeric characters (not relevant for safety)
	εε	(marking)	2 alphanumeric characters (not relevant for safety)
	Note: Some option codes may be restricted for certain model types.		
Electrical Rating	10.5...30Vdc, 4...20mA		
Enclosure Rating	Type 4X/6P, IP66/68		
Temp. code, ambient (Ta) and process temp. (Tp)	T6: $-40^{\circ}\text{C}^* \leq \text{Ta} \leq +60^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq \text{Tp} \leq +80^{\circ}\text{C}$ T4: $-40^{\circ}\text{C}^* \leq \text{Ta} \leq +70^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq \text{Tp} \leq +130^{\circ}\text{C}$		Refer to installation drawings for additional temp. code (T3...T1) and deratings of Ta relative to higher process temperatures ($\text{Tp} \leq +400^{\circ}\text{C}$) and device options. * ambient reduced to -50°C for xx=JL and -52°C for xx=JN (aa = CB and CC only)
MWP and Process Seal	MWP: up to 420 bar	Single Seal	
Installation Drawing	XA01896P (aa = CB or CC) or XA01899P (aa = C1)		

Product	Cerabar PMP51B-aabbcddefghiikllmmno + ppqrrssttuuvvwwxyzzaa: where,		
	aa	(approval)	CB, CC* * CC not suitable for Class II and III
	bb	(output)	AA, BA
	c	(display; operation)	A, C, D, E, F, H
	d	(transmitter housing; mat'l)	B, J, K, M
	e	(electrical conn.)	A, B, C, F, H, M (only for aa=CC), S
	f	(pressure type)	6, 8, 9
	g	(application)	A, B, 9
	h	(diaphragm seal)	A, D, G, M...T, Y
	ii	(sensor range)	3x, 9Y
	k	(calibration; unit)	alphanumeric character (not relevant for safety)
	ll	(process connection, sealing surface)	2 alphanumeric characters (not relevant for safety)
	mmm	(process connection)	3 alphanumeric characters (not relevant for safety)
	n	(membrane material)	alphanumeric character (not relevant for safety)



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

	o	(fill fluid)	alphanumeric character (not relevant for safety)
	+	(additional options: any number of each of the following options may be chosen)	
	pp	(membrane coating)	2 alphanumeric characters (not relevant for safety)
	qq	(reference accuracy)	2 alphanumeric characters (not relevant for safety)
	rr	(calibration)	2 alphanumeric characters (not relevant for safety)
	ss	(service)	2 alphanumeric characters (not relevant for safety)
	tt	(test, certificate, declaration)	2 alphanumeric characters (not relevant for safety)
	uu	(additional approval)	2 alphanumeric characters (not relevant for safety)
	vv	(sensor design)	MA, MB, MC, MD, MH, M9
	ww	(accessory mounted)	NA or other 2 alphanumeric characters (not relevant for safety)
	xx	(accessory enclosed)	PA, PB or other 2 alphanumeric characters (not relevant for safety)
	yy	(country, regional adaption)	2 alphanumeric characters (not relevant for safety)
	zz	(firmware version)	2 alphanumeric characters (not relevant for safety)
	aa	(marking)	2 alphanumeric characters (not relevant for safety)
	Note: Some option codes may be restricted for certain model types.		
Electrical Rating	10.5...30Vdc, 4...20mA		
Enclosure Rating	Type 4X/6P, IP66/68		
Temp. code, ambient (Ta) and process temp. (Tp)	T6: $-40^{\circ}\text{C} \leq \text{Ta} \leq +50^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq \text{Tp} \leq +70^{\circ}\text{C}$ T4: $-40^{\circ}\text{C} \leq \text{Ta} \leq +60^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq \text{Tp} \leq +80^{\circ}\text{C}$		Refer to installation drawings for additional temp. code (T3...T1) and deratings of Ta relative to higher process temperatures ($\text{Tp} \leq +400^{\circ}\text{C}$) and device options.
MWP and Process Seal	MWP: up to 400 bar		Single Seal
Installation Drawing	XA01890P		

Product	Cerabar PMP71B-aabbccdefghijklmmno + ppqqrrssttuuvvwwxxyyzzaaßγγ: where,		
	aa	(approval)	CB, CC*, or C1 * CC not suitable for Class II and III
	bb	(output)	AA, BA
	c	(display; operation)	A, C, D, E, F, H
	d	(transmitter housing; mat'l)	B, J, K, M
	e	(electrical conn.)	A, B, C, F, H, M (only for aa=CC), S
	f	(pressure type)	6, 8, 9
	g	(application)	A, B, 9
	h	(diaphragm seal)	A, D, G, M...T, Y
	ii	(sensor range)	3x, 9Y
	k	(calibration; unit)	alphanumeric character (not relevant for safety)
	ll	(process connection, sealing surface)	2 alphanumeric characters (not relevant for safety)
	mmm	(process connection)	3 alphanumeric characters (not relevant for safety)
n	(membrane material)	alphanumeric character (not relevant for safety)	
o	(fill fluid)	alphanumeric character (not relevant for safety)	



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

	+	(additional options: any number of each of the following options may be chosen)	
	pp	(operation language display)	2 alphanumeric characters (not relevant for safety)
	qq	(membrane coating)	2 alphanumeric characters (not relevant for safety)
	rr	(application package)	2 alphanumeric characters (not relevant for safety)
	ss	(reference accuracy)	2 alphanumeric characters (not relevant for safety)
	tt	(calibration)	2 alphanumeric characters (not relevant for safety)
	uu	(service)	2 alphanumeric characters (not relevant for safety)
	vv	(test, certificate, declaration)	JL, JN (aa = CB and CC only) or other 2 alphanumeric characters (not relevant for safety)
	ww	(additional approval)	2 alphanumeric characters (not relevant for safety)
	xx	(sensor design)	MA, MB, MC, MD, MH, M9
	yy	(accessory mounted)	NA or other 2 alphanumeric characters (not relevant for safety)
	zz	(accessory enclosed)	PA, PB or other 2 alphanumeric characters (not relevant for safety)
	aa	(country, regional adaption)	2 alphanumeric characters (not relevant for safety)
	bb	(firmware version)	2 alphanumeric characters (not relevant for safety)
	yy	(marking)	2 alphanumeric characters (not relevant for safety)
	Note: Some option codes may be restricted for certain model types.		
Electrical Rating	10.5...30Vdc, 4...20mA		
Enclosure Rating	Type 4X/6P, IP66/68		
Temp. code, ambient (Ta) and process temp. (Tp)	T6: $-40^{\circ}\text{C}^* \leq \text{Ta} \leq +50^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq \text{Tp} \leq +70^{\circ}\text{C}$ T4: $-40^{\circ}\text{C}^* \leq \text{Ta} \leq +60^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq \text{Tp} \leq +80^{\circ}\text{C}$		Refer to installation drawings for additional temp. code (T3...T1) and deratings of Ta relative to higher process temperatures ($\text{Tp} \leq +400^{\circ}\text{C}$) and device options. * ambient reduced to -50°C for vv=JL and -52°C for vv=JN (aa = CB and CC only)
MWP and Process Seal	MWP: up to 700 bar		Single Seal (up to 400 bar)
Installation Drawing	XA01900P (aa = CB or CC) or XA01903P (aa = C1)		

Product	Cerabar PMC51B-aabbcddefgghiiikkll + mmmnooppqqrrssttuuvvww: where,		
	aa	(approval)	CB, CC* * CC not suitable for Class II and III
	bb	(output)	AA, BA
	c	(display; operation)	A, C, D, E, F, H
	d	(transmitter housing; mat'l)	B, J, K, M
	e	(electrical conn.)	A, B, C, F, H, M, S
	f	(pressure type)	6, 8, 9
	gg	(sensor range)	3x, 9Y
	h	(calibration; unit)	alphanumeric character (not relevant for safety)
	ii	(process connection, sealing surface)	2 alphanumeric characters (not relevant for safety)
	kkk	(process connection)	3 alphanumeric characters (not relevant for safety)
	l	(seal, process connected)	A, B, Y



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

	+	(additional options: any number of each of the following options may be chosen)	
	mm	(reference accuracy)	2 alphanumeric characters (not relevant for safety)
	nn	(calibration)	2 alphanumeric characters (not relevant for safety)
	oo	(service)	2 alphanumeric characters (not relevant for safety)
	pp	(test, Cert, declaration)	2 alphanumeric characters (not relevant for safety)
	qq	(additional approvals)	2 alphanumeric characters (not relevant for safety)
	rr	(sensor design)	MA, MB, MC, MD, MH, M9
	ss	(accessory mounted)	2 alphanumeric characters (not relevant for safety)
	tt	(accessory enclosed)	PA, PB or other 2 alphanumeric characters (not relevant for safety)
	uu	(regional device adaption)	2 alphanumeric characters (not relevant for safety)
	vv	(firmware version)	2 alphanumeric characters (not relevant for safety)
	ww	(marking)	2 alphanumeric characters (not relevant for safety)
	Note: Some option codes may be restricted for certain model types.		
Electrical Rating	10.5...30Vdc, 4...20mA		
Enclosure Rating	Type 4X/6P, IP66/68		
Temp. code, ambient (Ta) and process temp. (Tp)	T6: $-40^{\circ}\text{C} \leq \text{Ta} \leq +50^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq \text{Tp} \leq +60^{\circ}\text{C}$ T4: $-40^{\circ}\text{C} \leq \text{Ta} \leq +50^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq \text{Tp} \leq +100^{\circ}\text{C}$	Refer to installation drawings for deratings of Ta relative to higher process temperatures ($\text{Tp} \leq +125^{\circ}\text{C}$) and device options.	
MWP and Process Seal	MWP: up to 40 bar	Single Seal	
Installation Drawing	XA01890P		

Product	Cerabar PMC71B-aabbccdefghhikllm + nnooppqrrssttuuvvwwxyzz: where,		
	aa	(approval)	CB, CC* or C1 * CC not suitable for Class II and III
	bb	(output)	AA, BA
	c	(display; operation)	A, C, D, E, F, H
	d	(transmitter housing; mat'l)	B, J, K, M
	e	(electrical conn.)	A, B, C, F, H, M, S
	f	(pressure type)	6, 8, 9
	g	(application)	alphanumeric character (not relevant for safety)
	hh	(sensor range)	3x, 9Y
	i	(calibration; unit)	alphanumeric character (not relevant for safety)
	kk	(process connection, sealing surface)	2 alphanumeric characters (not relevant for safety)
	lll	(process connection)	3 alphanumeric characters (not relevant for safety)
	m	(seal, process connected)	D, G, J, M, P, P, R, Y
	+	(additional options: any number of each of the following options may be chosen)	
	nn	(operation language display)	2 alphanumeric characters (not relevant for safety)
oo	(application package)	EC or other 2 alphanumeric characters (not relevant for safety)	
pp	(reference accuracy)	2 alphanumeric characters (not relevant for safety)	



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

	qq	(calibration)	2 alphanumeric characters (not relevant for safety)
	rr	(service)	2 alphanumeric characters (not relevant for safety)
	ss	(test, Cert, declaration)	2 alphanumeric characters (not relevant for safety)
	tt	(additional approvals)	2 alphanumeric characters (not relevant for safety)
	uu	(sensor design)	MA, MB, MC, MD, MH, M9
	vv	(accessory mounted)	2 alphanumeric characters (not relevant for safety)
	ww	(accessory enclosed)	PA, PB or other 2 alphanumeric characters (not relevant for safety)
	xx	(regional device adaption)	2 alphanumeric characters (not relevant for safety)
	yy	(firmware version)	2 alphanumeric characters (not relevant for safety)
	zz	(marking)	2 alphanumeric characters (not relevant for safety)
	Note: Some option codes may be restricted for certain model types.		
Electrical Rating	10.5...30Vdc, 4...20mA		
Enclosure Rating	Type 4X/6P, IP66/68		
Temp. code, ambient (Ta) and process temp. (Tp)	T6: $-40^{\circ}\text{C} \leq \text{Ta} \leq +50^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq \text{Tp} \leq +60^{\circ}\text{C}$ T4: $-40^{\circ}\text{C} \leq \text{Ta} \leq +50^{\circ}\text{C}$ and $-40^{\circ}\text{C} \leq \text{Tp} \leq +100^{\circ}\text{C}$		Refer to installation drawings for additional temp. code (T3) and deratings of Ta relative to higher process temperatures ($\text{Tp} \leq +150^{\circ}\text{C}$) and device options.
MWP and Process Seal	MWP: up to 40 bar		Single Seal
Installation Drawing	XA01900P (aa = CB or CC) or XA01903P (aa = C1)		

Conditions of Acceptability:

1. The end user shall ensure appropriate earthing of all metallic accessories upon installation.
2. Because of the risk of discharge the non-metallic parts of the equipment and of all non-metallic accessories must be protected from electrostatic charging during installation and operation.
3. Entity parameters according to installation drawings; XA01890P (PMP51B & PMC51B), XA01893P (PMD55B), XA01896P (PMD75B & PMD78B), XA01899P (PMD75B & PMD78B) XA01900P (PMP71B & PMC71B) or XA01903P (PMP71B & PMC71B)

CLASS 2252 06 - PROCESS CONTROL EQUIPMENT
CLASS 2252 86 - PROCESS CONTROL EQUIPMENT (Certified to U.S. Standards)

Pressure transmitters Cerabar PMP51B, PMC51B, PMP71B and PMC71B;
Differential Pressure transmitters Deltabar PMD55B, PMD75B and PMD78B.

Above transmitters are part of L+P platform products.
Rating: non-Ex: $\leq 35\text{VDC}$, for IS device: $\leq 30\text{VDC}$; 4-20mA



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

Notes

Ambient temperature range:

- Without LCD display: standard: -40 to +85 °C or optional: -60°C/-50°C to 85°C (when process connection is fully insulated)
- With LCD display: -40 to +60 °C with limitations in optical properties such as display speed and contrast). Can be used without limitations up to -20 to +60 °C
- Separate housing: -20 to +60 °C
- For process temperature higher than +85 °C, the rated ambient is reduced by de-rating; refer to manuals for details.

Conditions of Acceptability:

1. L+P Devices to be supplied by a Class 2 or Limited Energy Source in accordance with CSA 61010-1-12.
2. Rated: Pollution Degree 2, Overvoltage Category II
3. Environmental Conditions: 5000m max.



Certificate: 80066208
Project: 80066208

Master Contract: 151079
Date Issued: 2021-03-25

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 0-20	General requirements — Canadian Electrical Code, Part II
C22.2 No. 25-17	Enclosures for use in Class II, Division 1, Groups E, F, and G hazardous locations
C22.2 No. 30-M1986 (r2016)	Explosion-proof enclosures for use in Class I hazardous locations
CSA C22.2 No. 94.2-15	Enclosures for Electrical Equipment, Environmental Considerations
CAN/CSA-C22.2 No. 60529:2016	Degrees of protection provided by enclosures (IP Code)
CAN/CSA C22.2 No. 61010-1-12, UPD1: 2015, UPD2: 2016, AMD1: 2018	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements
CAN/CSA-C22.2 No. 60079-0:19	Explosive atmospheres – Part 0: Equipment – General requirements
CAN/CSA-C22.2 No. 60079-1:16	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures “d”
CAN/CSA-C22.2 No. 60079-11:14	Explosive atmospheres – Part 11: Equipment protection by intrinsic safety “i”
CSA-C22.2 No. 213:2017 + UPD 1 (2018) + UPD 2 (2019)	Non-incendive Electrical Equipment for Use in Class I and II, Division 2, and Class III Hazardous (Classified) Locations
ANSI/IEC 60529: 2013, Edition 2.2	Degrees of protection provided by enclosures (IP Code)
UL 61010-1, 3rd edition (2012), AMD1: 2018	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements
FM3600-2018	Approval Standard for Electrical Equipment for Use in Hazardous (Classified) Locations - General Requirements
FM3610:2018	Approval Standard for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division 1, Hazardous (Classified) Locations
FM3615-2018	Approval Standard for Explosionproof Electrical Equipment General Requirements
FM3616-2011	Approval Standard for Dust-Ignitionproof Electrical Equipment General Requirements
UL 50E-15 <i>Second Edition</i>	Enclosures for Electrical Equipment, Environmental Considerations
UL 60079-0-2019	Explosive atmospheres – Part 0: Equipment – General requirements
UL 60079-1-2015	Explosive Atmospheres – Part 1: Equipment Protection by Flameproof Enclosures “d”
UL 60079-11 <i>Sixth Edition (March 28, 2014)</i>	Explosive Atmospheres – Part 11: Equipment Protection by Intrinsic Safety “i”
ANSI/UL 121201-2017, Ninth Edition	Non-incendive Electrical Equipment for Use in Class I and II, Division 2, and Class III Hazardous (Classified) Locations
UL122701: 2017 Third Edition	Requirements for Process Sealing Between Electrical Systems and Flammable or Combustible Process Fluids



Supplement to Certificate of Compliance

Certificate: 80066208

Master Contract: 151079

*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
80066208	2021-03-25	Original cCSAus certification of intrinsically safe and flameproof Pressure and Differential Pressure transmitters models Cerabar PMC51B, PMP51B, PMC71B, PMP71B and Deltabar PMD55B, PMD75B, PMD78B on L+P platform. Electrical rating input 10.5-35Vdc; 4-20mA output; Type 4X/6P, IP66/68