9	PRIORIE PRIORIE PRIORIE	BIPLOIAIS ABPLOIAIS ABPLOIAIS ABPLOI	ARS BEPLOLARS BEPLOLARS	PRIORIES OPTIONES	S
EPHOLAR	EXPLO	ABS	7 Spanne	r Rd / PO Box 467 Olifantsfontein 1665	SUVIOLES
NOLABS	Explosion Preventi	on Services (Pty) Ltd	Fax: Fax:	+27 (11) 316 4001 +27 (11) 316 5670	
P	Red No: 1999/02/771/07				
SIMIC	IN TERMS OF ARP 0108	JERNMENT APPROVED TEST 3: "REGULATORY REQUIREMENTS FOR E	LABORATORY XPLOSION PROTECTED APPA	ARATUS"	
		IA CERTIFICATE			
SUMORA			Date Issued: *Expiry date:	13 Mar 2017 13 Mar 2020 Page 1 of 10 Issue: 0	SIMONAR
SIM	Ex – Type Examination C	Certificate			
	Certificate Number:	S-XPL/17.0005 X Flowmeter			N
STADUARS	Model / Type: Applicant:	Proline Promass 300/500, Proline Endress+Hauser (Pty) Ltd PO Box 783996 Sandton	e Cubemass 300/500		STANOLAR
	Manufacturer:	2146 Endress+Hauser Flowtec AG			
	Serial No:	All serial numbers imported betwe	en issued- and expire da	ate and all serial	
		numbers covered by a valid report	or acceptable product cer	tification mark.	TOLL
NPIO		Supplied by			
4		Endress+Hauser (Pty) L Identified by Inspection Authorit	.ta y number		N
PIOLA		S-XPL/17.0005 X			
PRIORARS (And as described in the Explo (Refer to General, clause 1 relevant requirements of South	blabs file number XPL/18198/17.00 <u>for Ex rating)"</u>, having been exam n African Standards.	05 is hereby <u>certified "Ex</u> ined and inspected in ac	<u>plosion Protected</u> cordance with the	
- STALOL	SANS 60079-0: 2012 Ed 5 IEC 60079-0: 2011 Ed 6	Explosive atmospheres Part 0: Eq	uipment — General requi	rements	SIMONA
	SANS 60079-1: 2015 Ed 5 IEC 60079-1: 2014 Ed 7	Explosive atmospheres Part 1: enclosures "d"	Equipment protection	by flameproof	STUDING
N (BIPIO	IEC/SANS 60079-7: 2015	Explosive atmospheres Part 7: E	quipment protection by ir	creased safety	Morte
APPOINT	SANS 60079-11: 2012 Ed 4 IEC 60079-11: 2011 Ed 6	Explosive atmospheres Part 11: E	quipment protection by in	trinsic safety "i"	8
PIOLARS	SANS 60079-15: 2010 Ed 4 IEC 60079-15: 2010 Ed 4	Explosive atmospheres Part 15: E "n"	quipment protection by ty	pe of protection	
	IEC/SANS 60079-26: 2014	Explosive atmospheres – Part 26 level (EPL) Ga	5: Equipment with equip	nent protection	
S Contraction	SANS 60079-31: 2014 Ed 2 IEC 60079-31: 2013 Ed 2	Explosive atmospheres Part 31: enclosure "t"	Equipment dust ignition	ו protection by	SUVOLES
EPIOLN					Monte
PLOLADS					
1					MAK S
ETIOLAE					Saviolate

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ANNEX TO CERTIFICATE NO S-XPL/17.0005 X

Risk of ignition provided:

Protection afforded	Equipment Protection Level (EPL) Group	Performance of protection	Conditions of operation	T class or Max Surface Temp (℃)
High	Gb Group II	Suitable for normal operation and frequently occurring	Equipment remains functioning in zones 1 and 2	T6 (85 ℃)…T1 (450 ℃) T6…T4
High	Db Group III	where faults are normally taken into account	Equipment remains functioning in zones 21 and 22	T**
Enhanced	Gc Group II	Suitable for normal operation	Equipment remains functioning in zone 2	T6T1

GENERAL

1.

Description

The Proline 300 / 500 is a platform used for flowmeters of type Proline Promass 300, Proline Promass 500, Proline Cubemass 300 and Proline Cubemass 500. All flowmeters are available in two versions, a compact version (Proline 300) and a remote version (Proline 500). The remote Proline 500 version is also available as an analog version where the sensor sends analog signals to the transmitter and a digital version where the sensor is connected by a digital circuit to the transmitter with additional electronics located at the sensor for assessment of the sensor signals.

For all versions of the Proline 300, an additional remote Display, e.g. DKX001, may be connected to the electronics. The remote display is available in two options for the user. Either it is ordered as a separate product or by the product of the flowmeter.

Different electronics are used for the flowmeters where the sensor is installed in a Zone 1 or 2 location and where the transmitter can be installed in a safe area or Zone 1 or 2 locations. All versions of electronics are designed either with intrinsically safe IO's (Ex ia for Zone 1 or Ex ic for 🛷 Zone 2) or with non-intrinsically safe IO's. A mix of type of protections, Ex i in combination with non-Ex i IO's is not allowed.

Order Code

Proline Promass 300/500, Proline Cubemass 300/500

Extended order code Proline Promass 300 and Cubemass 300: 8a3bcc – ddeffghilpsstttvww + #**# O8a3bcc - ddeffghjlpssttvwwyy + #**# for OEM-version 8x3bxx – ddeffghjlpssww + #**#

for replacement transmitter only

Extended order code Proline Promass 500 and Cubemass 500: 8a5bcc – ddeffghijkmnopsstttvww + #**# O8a5bcc – ddeffghijkmnopsstttvwwyy + #**# 8x5bxx – ddeffghijkmopggrrssww + #**#

for OEM-version for replacement transmitter only

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NOL				TO CERTIFICATE NO S-XPL/17.0005 X	PAGE 3 OF 10
	а	=	Type o	of sensor	
8			A = Pr	omass A; C = Cubemass C; E = Promass E; F =	Promass F; H = Promass H;
Presentary			I = Prc	mass I; O = Promass O; P = Promass P; Q = Promass P; $Q = Promass P$	omass Q; S = Promass S; X
	_		= Pron	nass X	
	b	=	Gener	ation	1
			B = Ge	eneration of Flowmeter	
	CC	=	Size		
			any do	uble digits with combination of number or letter	
	dd	=	Appro		
			Proline	Promass 300 (IECEX + ATEX):	
			BA	= EX db eb [ia] IIB 1611 Gb	
			חח		
			DD		
			PC	EX (DIIIC I DD Ex db [ia] IIP TC T1 Cb	
			БС		1
Lines.			PD	Ex db fial IIC T6 T1 Cb	
			DD		
			BS		
			00		,
			Proline	Promass 500 (IECEx + ATEX)	
			RA	= Fx db eb [ia] IIB T6 T4 Gb (transmitter)	
				Ex ia IIB T6T1 Gb (sensor)	
				Ex the IIIC T** Db (transmitter + sensor)	
			BB	= Ex db eb [ia] IIC T6T4 Gb (transmitter)	
				Ex ia IIC T6T1 Gb (sensor)	
				Ex tb IIIC T ^{**} Db (transmitter + sensor)	
			BC	= Ex db [ia] IIB T6T4 Gb (transmitter)	
				Ex ia IIB T6T1 Gb (sensor)	
				Ex tb IIIC T** Db (transmitter + sensor)	
			BD	= Ex db [ia] IIC T6T4 Gb (transmitter)	
				Ex ia IIC T6T1 Gb (sensor)	
				Ex tb IIIC T** Db (transmitter + sensor)	
			BI	= [Ex ia] IIC (transmitter)	
				Ex ia IIB T6T1 Gb (sensor)	
				Ex tb IIIC T** Db (sensor)	
			BJ	= [Ex ia] IIC (transmitter)	
				Ex ia IIC T6T1 Gb (sensor)	
				Ex tb IIIC T** Db (sensor)	
			BL	= non-Ex (transmitter)	
				Ex ec IIC T6T1 Gc (sensor)	
			BM	= Ex ec [ia Ga] IIC T6T1 Gc (transmitter)	
				Ex ia IIB T6T1 Gb (sensor)	1
				Ex tb IIIC T** Db (sensor)	
			BN	= Ex ec [ia Ga] IIC T6T1 Gc (transmitter)	
				Ex la IIC 1611 Gb (sensor)	
			50	Ex to IIIC 1** Db (sensor)	
			BS	= $Ex \text{ ec IIC } 1611 \text{ Gc (transmitter + sensor)}$	
	е	=	Power		
			D = 24		
			E = 10	$U \sim 20 Vac$	
			I = 100	-230Vac / 24Vac	
	"		X = Se		
	Π	=	input /		
			BA		
			BB	= 4 - 20 (IIA WHARL)	
			CA		,
			CB	= 4-20MA WHAKI EXI	
			GA	= Profibus PA	
			HA	= MOTIDUS MA EX I	
			LA	= Prolibus DP	
			NA		
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		ANNEX TO CERTIFICATE NO S-XPL/17.0005 X PAGE 4 OF 10
		RA = Profinet IO
		SA = Foundation Fieldbus
5		TA = Foundation Fieldbus Ex i
		MA = Modbus BS485
		V concertant
		x = sensor only
g	=	Input / Output 2
		A = without Input/Output 2
		B = 4-20mA
		C = 4-20mA Ex i
		D = Configurable IQ
		E _ Pulse/Erguency/Switch output
		r = ruise output phase-sinited
		G = Pulse/Frequency/Switch output EX I
		H = Relay
		I = 4-20mA input
		J = Status input
1000		X – sensor only
h	=	input / Output 3
-		A = without Input/Output 3
A		B = 4-20mA
		C = 4-20mA Ex i
		E Dulao/Eroquopov/Switch output
		F = Pulse output phase-shifted
		G = Pulse/Frequency/Switch output Ex i
		H = Relay
		I = 4-20 mA input
		.I = Status input
		Y _ consor only
		A = sensor only
	=	Input / Output 4 (Proline 500 only)
		A = without Input/Output 4
		B = 4-20mA
		C = 4-20mA Ex i
		D = Configurable IO
		E – Pulse/Erguency/Switch output
		F = Pulse output phase-smiled
8		G = Pulse/Frequency/Switch output Ex i
		H = Relay
		I = 4-20mA input
		J = Status input
		X = sensor only
9 A		n – School Olly Dianlay / Operation
J	=	
		any single number or letter
		without remote Display : any single number or letter except O
k	=	Integrated ISEM electronic (Proline 500 only)
		A = Digital
		B – Analog
I	=	nousing
		any single number or letter
m	=	Transmitter Housing
		any single number or letter
		,
n	_	Sensor Housing (Proline 500 only)
11	=	any single number or letter
		any single number or letter
Ο	=	Cable Sensor Connection (Proline 500 only)
		any single number or letter
n	=	Cable Entry
м	-	any single number or letter
	=	Upgrade Kid
44		a secondar a transfer a transfer a secondar for a difference de la secondar a secondar de la diference
ЧЧ		any double digits with combination of number or letter

EPLOLARS	ETIOLARS	BRIOURS BRIOURS BRIOURS BRIOURS BRIOURS BRIOURS BRIOURS BRIOURS BRIOU	No.
		ANNEX TO CERTIFICATE NO S-XPL/17.0005 X PAGE 5 OF 10	10
r	r =	Existing Product	
		any double digits with combination of number or letter	
S	is =	Measuring tube material	
		any double digits with combination of number or letter	
t t	tt =	Process connection	8
		any triple digits with combination of number or letter	
v	- =	Calibration	ō
		any single number or letter	
v	vw =	Device model (two digit)	
		A1 = product version 1	
У	'y =	Customer version (one digit)	
		any double digits with combination of number or letter	
*	* =	Option in two digits (none, two or multiple of two digits)	
		any combination of number and/or letter	0
#	[;] ,+ =	Signs used as indicator for optional abbreviation of extended order code	5

Sensor Groups

In the following tables, the Promass 300/500 sensors are assigned to different sensor groups from A1 to C2 depending on their sensor size and electronics version.

Assignment of Promass sensors and Cubemass sensors installed in Zone 1:

Sensor Group	Type of sensor	Size of sensor	Group	T _{Med,min}
	А	01, 02, 04	IIC	-50 <i>°</i> C
	С	01, 02, 04, 06	IIC	-50 <i>°</i> C
	Ш	25, 40, 50	IIC	-50 <i>°</i> C
۸ 1	F	08, 15, 25, 40, 50	IIC	-50 <i>°</i> C
AI	F(HT)	25, 50	IIC	-50 <i>°</i> C
	H, S, P	08, 15, 25, 40	IIC	-50 <i>°</i> C
		08, 15, 16, 25, 26, 40	IIC	-50 <i>°</i> C
	Q	25, 50	IIC	-50 <i>°</i> C
	E	08, 15, 80	IIC	-50 <i>°</i> C
	F	08, 15	IIC	-50 <i>°</i> C
	F, O	80, 100, 150, 250	IIC	-50 <i>°</i> C
B1		41, 50, 51, 80	IIC	-50 <i>°</i> C
	H, S, P	50	IIC	-50 <i>°</i> C
	Q	80, 100	IIC	-50 <i>°</i> C
	Х	350	IIC	-50 <i>°</i> C
C1	F	25, 40, 50	IIC	-200 <i>°</i> C
01	Q	25, 50	IIC	-200 <i>°</i> C
D1	F	08, 15, 80, 100, 150, 250	IIC	-200 <i>°</i> C
ы	Q	80, 100	IIC	-200 <i>°</i> C
	E	80	IIB	-50 <i>°</i> C
	F, O	80, 100, 150, 250	IIB	-50 <i>°</i> C
⊑1	H, S, P	50	IIB	-50 <i>°</i> C
		41, 50, 51, 80	IIB	-50 <i>°</i> C
	Q	80, 100	IIB	-50 <i>°</i> C
	Х	350	IIB	-50 <i>°</i> C
Ш1	F	80, 100, 150, 250	IIB	-200 <i>°</i> C
111	Q	80, 100	IIB	-200 <i>°</i> C

Note: All sensors of Promass 300 and Promass 500 versions are available for EPL Ga/Gb except the versions "A" (size DN1), "H" (all sizes) and "I" (all sizes) which are only available for EPL Gb. For sensors with EPL Ga, Zone 0, the protection is only applicable for the interior of the measuring tube.

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Assignment of Promass sensors and Cubemass sensors installed in Zone 2:

Sensor Group	Type of sensor	Size of sensor	T _{Med,min}
-	С	01, 02, 04, 06	-50 ℃
	E	25, 40, 50, 80	-50 <i>°</i> C
	F	25, 40, 50, 80, 100, 150, 250	-50 <i>°</i> C
40	H, S, P	15, 25, 40, 50	-50 <i>°</i> C
AZ	I	08, 15, 16, 25, 26, 40, 41, 50, 51, 80	-50 <i>°</i> C
	0	80, 100, 150, 250	-50 <i>°</i> C
	Q	25, 40, 80, 100	-50 <i>°</i> C
	Х	350	-50 <i>°</i> C
	А	01, 02, 04	-50 <i>°</i> C
BO	F	08, 15	-50 <i>°</i> C
DZ	E	08, 15	-50 <i>°</i> C
	H, S, P	08	-50 <i>°</i> C
<u></u>	F	25, 40, 50, 80, 100, 150, 250	-200 <i>°</i> C
02	Q	25, 40, 80, 100	-200 <i>°</i> C
D2	F	08, 15	-200 <i>°</i> C

Parameters Electrical Parameters

Power Supply						
Order Code e =	terminal no.	values				
D ¹⁾	No. 1(L+/L), 2(L-/N)	$U_{N} = 19.228.8V_{DC}$ $U_{M} = 250Vac$				
E ¹⁾	No. 1(L+/L), 2(L-/N)	$U_{\rm N} = 85264 V_{\rm AC}$ $U_{\rm M} = 250 Vac$				
l ²⁾	No. 1(L+/L), 2(L-/N)	$U_{N} = 19.228.8V_{DC}/85264V_{AC}$ $U_{M} = 250 V$				

 $^{1)}$ applicable for products with approval code dd = BA, BB, BC, BD $^{2)}$ applicable for products with approval code dd = BS, BI, BJ, BL, BM, BN

Input/Output	Input/Output 1						
Order Code ff =	terminal no.	values					
BA, BB, MA	No. 26, 27	$U_N = 30V_{DC}$ $U_M = 250Vac$					
LA, GA, SA	No. 26, 27	$U_N = 32V_{DC}$ $U_M = 250Vac$					
CA, CB	No. 26, 27	Ui = 30V li = 100mA Pi = 1.25W Li = 0 Ci = 0					
HA, TA	No. 26, 27	¹⁾ Ui = 30V Ii = 570mA Pi = 8.5W Li = 10μH Ci = 5nF	²⁾ Ui = 32V li = 570mA Pi = 8.5W Li = 10μH Ci = 5nF				
NA, RA	IO1 / RJ45	$U_{\rm N} = 30V_{\rm DC}$ $U_{\rm M} = 250Vac$					

 $^{1)}$ applicable for products with approval code dd = BA, BB, BC, BD $^{2)}$ applicable for products with approval code dd = BS, BM, BN

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SIMONAR

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Input/Output 2					
Order Code g =	terminal no.	values			
C, G	No. 24, 25	Ui = 30V Ii = 100mA Pi = 1.25W Li = 0 Ci = 0			
B, D, E, F, I, J	No. 24, 25	$U_{N} = 30V_{DC}$ $U_{M} = 250Vac$			
Н	No. 24, 25	$\begin{array}{l} U_{N}=30V_{DC}\\ I_{N}=100mA_{DC}\ /\ 500mA_{AC}\\ U_{M}=250Vac \end{array}$			

Input/Output 3					
Order Code h =	terminal no.	values			
C, G	No. 22, 23	Ui = 30V li = 100mA Pi = 1.25W Li = 0 Ci = 0			
B, D, E, F, I, J	No. 22, 23	$U_N = 30V_{DC}$ $U_M = 250Vac$			
н	No. 22, 23	$\begin{array}{l} U_{N}=30V_{DC}\\ I_{N}=100mA_{DC}\ /\ 500mA_{AC}\\ U_{M}=250Vac \end{array}$			

Input/Output 4				
Order Code i =	terminal no.	values		
C, G	No. 20, 21	Ui = 30V li = 100mA Pi = 1.25W Li = 0 Ci = 0		
B, D, E, F, I, J	No. 20, 21	$U_{\rm N} = 30 V_{\rm DC}$ $U_{\rm M} = 250 V {\rm ac}$		
Н	No. 20, 21	$\begin{array}{l} U_{N}=30V_{DC}\\ I_{N}=100mA_{DC}\ /\ 500mA_{AC}\\ U_{M}=250Vac \end{array}$		

Service Interface					
Order Code dd =	terminal no.	values			
BA, BB, BC, BD	Service Interface	Service Interface shall only be installed in areas which are known to be non hazardous			
not for: BA, BB, BC, BD	Service Interface	U _N = 3.3V			

Display remote					
Order Code dd =	terminal no.	values			
BA, BB, BC, BD	No. 81, 82, 83, 84	Uo = $3.9V$ Io = $1.5A$ (spark) 200mA (power) Po = $600mW$ Ri = 2.6Ω Co = 670μ F Lo = 0			
not for: BA, BB, BC, BD	No. 81, 82, 83, 84	$U_{N} = 3.3V$ $I_{N} = 150mA$			

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	For Transmitter with approval code dd = BA,	BB, BC, BD connected to the Remote Display of			
SIMO	Endress+Hauser, Type DKX001 or ODKX001, the cable parameter with ration L/R = \leq 0.024 mH/ Ω applies.				
e	Promass and Cubemass Remote Transmitter and Remote Sensor				
OLAN	Transmitter:	= BA, BB, BC, BD in combination with $k = B$:			
F	Terminals 41, 42-> exciter coil circuit:	Uo = 15V, lo = 129mA, Po = 484mW			
SIMONI		(sensor group A1/C1/E1) Uo = 15V, Io = 46mA, Po = 173mW (sensor group B1/D1/H1)			
A NOT	Terminals 9, 10, 11, 12-> temperature circuit: Terminals 4, 5, 6, 7-> sensor coil circuit:	Uo = 15V, Io = 18.2mA, Po = 68.3mW Uo = 15V, Io = 15.2mA, Po = 57mW			
	Sensor:				
STUDIOL	Terminals 41, 42-> exciter coil circuit:	Ui = 15V, Ii = 132mA, Pi = 494mW (sensor group A1/C1/E1) Ui = 15V, Ii = 48mA, Pi = 180mW (sensor group B1/D1/H1)			
Samola	Terminals 9, 10, 11, 12-> temperature circuit: Terminals 4, 5, 6, 7-> sensor coil circuit:	Ui = 15V, Ii = 18.2mA, Pi = 68.3mW Ui = 15V, Ii = 15.2mA, Pi = 57mW			
	For interconnection using a cable with a maximum which has the following parameters:	mum length of 120m is allowed when using a cable			
	Cable inductance \leq 0.5 mH/km Cable capacitance \leq 0.5 µF/km				
8	8^{*****} and O8***** with order code dd = BS in combination with k = B: Transmitter:				
T	Terminals 41, 42-> exciter coil circuit:	$U_N = 15 V, I_N = 100 mA$ (sensor group A2/C2) $U_N = 15 V, I_N = 72 mA$			
EXPLOIMING	Terminals 9, 10, 11, 12-> temperature circuit: Terminals 4, 5, 6, 7-> sensor coil circuit:	(sensor group B2/D2) $U_N = 15 V, I_N = 18.2mA$ $U_N = 15 V, I_N = 15.2mA$			
SIV	Sensor:				
SIN CELLO	Terminals 41, 42-> exciter coil circuit: Terminals 9, 10, 11, 12-> temperature circuit: Terminals 4, 5, 6, 7-> sensor coil circuit:	$U_{N} = 15 V$ $U_{N} = 15 V$ $U_{N} = 15 V$			
	8***** and O8***** with order code dd = B	I, BJ, BM, BN in combination with $k = A$:			
OLARS	terminals 61, 62, 63, 64 ->	Uo = 13.8V, lo = 1.156A, Po = 3.3W			
F	terminals 61, 62, 63, 64 ->	Ui = 14V, li = 1.2A, Pi = 3.4W			
IOLARS	For interconnection of transmitter to sensor any cable may be used with the following requirements:				
	• L/R \leq 0.0089 mH/ Ω and C_{cable} \leq 760nF for group IIB	group IIC, L/R ≤ 0.0356 mH/ Ω and C _{cable} ≤ 4.2µF for			
	• $L_{cable} \le 26\mu H$ and Ccable $\le 760nF$ for group	IIC, $L_{cable} \le 104 \mu H$ and $C_{cable} \le 4.2 \mu F$ for group IIB			
	8^{*****} and O8***** with order code dd = BL, BS in combination with k = A: Transmitter:				
4	terminals 61, 62-> terminals 63, 64->	$U_{N} = 32V$ $U_{N} = 3.3V$			
LAND AND A					
	DOCUN	IENT No: XPL0213 RELEASE DATE: 06/10/2015 REV : 4			

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		TE NO S-XPL/17.0005 X	PAGE 9 OF 10			
A SIMO	terminals 61, 62-> terminals 63, 64->	U _N = 32V U _N = 3.3V				
	Based on the following documentation: IECEx CSA 16.0031X issue No.: 1					
2.	INSTALLATION INSTRUCTIONS It is the manufacturer's responsibility to supply installation instructions with each unit offered for sale as required by IEC/SANS 60079-0 Clause 30.					
3.	 SPECIAL CONDITIONS FOR SAFE USE (denoted by X after certificate number) All equipment of the measurement system shall be included in the equipotential bonding. Along the intrinsically safe circuits potential equalization must exist. 					
	• The sensors may only be used for those process media, for which the wetted parts are known to be suitable.					
THOMAS	 Plastic transmitter enclosures for the order codes Proline Promass 8*5***-(BI/BJ)******A, 					
STOLAR	Proline Promass O8*5***-(BI/BJ)******A, Proline Promass 8*5*xx-(BI/BJ) *******A shall be installed in an area of at least pollution degree 2.					
SILIOINE	• Equipment with the following order codes shall be installed using a transient protection not exceeding 140% of the peak rated voltage value at the supply terminals to the equipment. For order code 'dd' = BM, BN, BS.					
STOLAR	• If the flowmeter system is connected to remote display type DKX001, the approval codes 'dd' for the flowmeter shall be paired to the approval code "bb" of the remote display as follows:					
	Approval code 'dd' of Proline Promass 300	Approval code 'bb' of remote as covered by IECEx DEK 15.0	display DKX001/ODKX001			
(P)	BS	BS				
4.	CONDITIONS OF CERTIFICATION All production units must be covered	by a QAN (Quality Assurance	Notification), Product Mark			
STIOLARS	Scheme or batch evaluation.					
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epiciais (epiciais (epiciais (epiciais (epiciais (epiciais (epiciais (epiciais (epiciais (epiciais (e ANNEX TO CERTIFICATE NO S-XPL/17.0005 X **PAGE 10 OF 10** 5. MARKING The following (or similar) information have to be clearly and permanently marked on all units: : Endress+Hauser (Pty) Ltd Supplier : Endress+Hauser Flowtec AG Manufacturer Equipment : Flowmeter Model/Type : Proline Promass 300/500, Proline Cubemass 300/500 Serial No. : (Refer to General, clause 1 for Ex rating) Ex Rating IA Certificate No : S-XPL/17.0005 X This certification indicates compliance with R10.1 of the Mines Health and Safety Act and/or EMR 9(2) of the Occupational Health and Safety Act, provided that the apparatus is used as relevant in accordance with: SANS 10086 and IEC/SANS 61241-14 requirements as applicable; ii) Any conditions mentioned in the above report; Any relevant requirements and codes of practice enforced in terms of the Mine Health and Safety Act or Occupational Health and Safety Act; iii) and iv) Any restrictions and conditions enforced by the Chief Inspector of Mines or the Principal Inspector or the Chief Inspector: Occupational Health and Safety. A revision certificate replaces all previous version of the certificate vi) * - Only covers equipment Imported between the "Issued" and "Expire" dates. vii) If and when your QAN (Quality Assurance Notification) Certificate for your equipment manufacturer expires during the valid period of the IA Certification (issued for your equipment) and a new certificate is not submitted the existing IA Certification will then be cancelled. It is thus the client's responsibility to always submit the updated and valid QAN certificate(s) to Explolabs (Pty) Ltd **Responsible Testing Officer: Reviewed by:** taden P van Staden H de Meyer **Testing Officer** Testing Officer EXPLOLABS EXPLOSION PREVENTION SERVICES This report/certificate shall not be reproduced except in full without the written approval of the company Explolabs (Pty) Ltd shall not be liable for any losses or damages sustained on account of any failure or omission to properly perform our duties in terms of any contract undertaken by us. This disclaimer is immutable and automatically incorporated in any contract undertaken by us; notwithstanding anything to the contrary, save for the express written waiver of our managing director. By marking the equipment in accordance with the documentation/standard, the manufacturer attests on his own responsibility that the equipment has been constructed in accordance with the applicable requirements of the relevant standards and that the routine verifications and tests have been successfully completed and that the product complies with the documentation and standard(s). The contents of electronic reports/certificates cannot be guaranteed. Original certification documents will be kept on file at Explolabs (Pty) Ltd DOCUMENT No: XPL0213 RELEASE DATE: 06/10/2015 REV:4 PERIOLARS PERIOLARS PERIOLARS PERIOLARS PERIOLARS EPLOLAR **CPLOLARS**