

Safety Instructions

Levelflex FMP54/56/57

4-20 mA HART

Associated Safety Instructions (XA) on page 4



Levelflex FMP54/56/57

4-20 mA HART

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Associated documentation

This document is an integral part of the following Safety Instructions:

ATEX, IECEX:
XA00501F/00

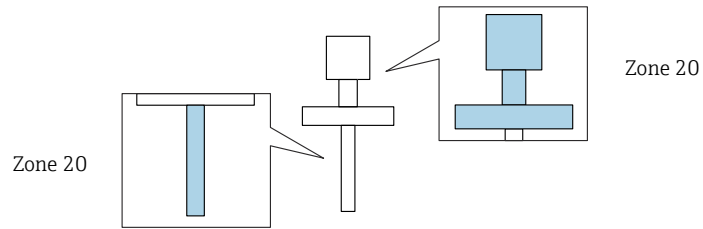
UK:
XA02526F/00

INMETRO:
XA01191F/00

EAC:
XA01690F/00

KC:
XA01832F/00

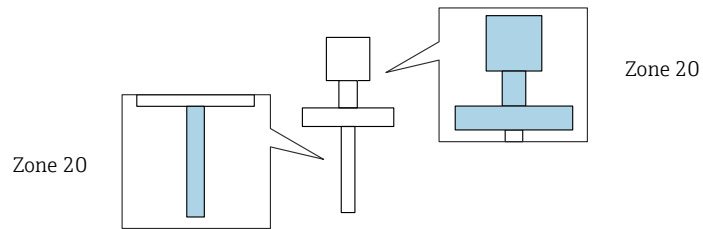
Zone 20: Compact; 1 channel Probe design: compact
 Position 3 = A, B, C: 1 channel used



FMP5x

	(1)			
	A, B, C	$T = T_a + 5 \text{ K}$ $T_{200} = T_a + 21 \text{ K}$	$T_a = 80$ $T_a = 64$	114

Zone 20: Compact; 2 channels Probe design: compact
 Position 3 = B, C: 2 channels used



FMP5x

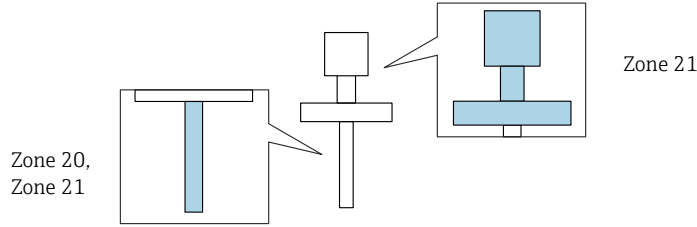
	(2)			
	B, C	$T = T_a + 10 \text{ K}$ $T_{200} = T_a + 42 \text{ K}$	$T_a = 75$ $T_a = 43$	114

Zone 20/21, Zone 21:
Compact; 1 channel

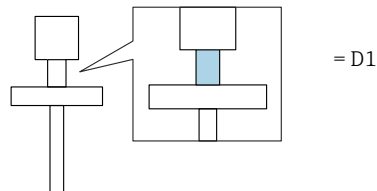
Probe design: compact
 Position 3 = A, B, C, K, L: 1 channel used

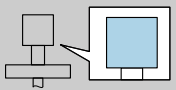
Page references to the temperature tables of the respective device types: See the following list.

- FMP54 → 6
- FMP56 → 7
- FMP57 → 7

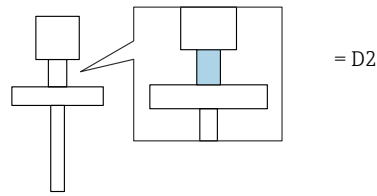


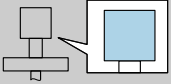
FMP54



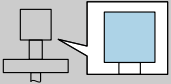
 = B, C	(1)	P1			P2		P3		P4		P5	
		T _p	T _a		T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	A, B, C	135	-40	80	80	80	135	73	135	-40	-40	-40
		200	-40	80	80	80	200	64	200	-40	-40	-40
		280	-40	80	80	80	280	53	280	-40	-40	-40
	K, L	135	-40	76	76	76	135	68	135	-40	-40	-40
		200	-40	76	76	76	200	60	200	-40	-40	-40
		280	-40	76	76	76	280	49	280	-40	-40	-40

FMP54

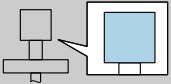


 = B, C	(1)	P1		P2		P3		P4		P5		
		T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	
	A, B, C	135	-40	80	80	80	135	76	135	-40	-40	-40
		200	-40	80	80	80	200	71	200	-40	-40	-40
		300	-40	80	80	80	300	63	300	-40	-40	-40
		450	-40	80	80	80	450	52	450	-40	-40	-40
	K, L	135	-40	76	76	76	135	72	135	-40	-40	-40
		200	-40	76	76	76	200	67	200	-40	-40	-40
		300	-40	76	76	76	300	59	300	-40	-40	-40
		450	-40	76	76	76	450	48	450	-40	-40	-40

FMP56

 = B, C	(1)	P1		P2		P3		P4		P5		
		T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	
	A, B, C	120	-40	80	80	80	120	71	120	-40	-40	-40
	K, L	120	-40	76	76	76	120	66	120	-40	-40	-40

FMP57

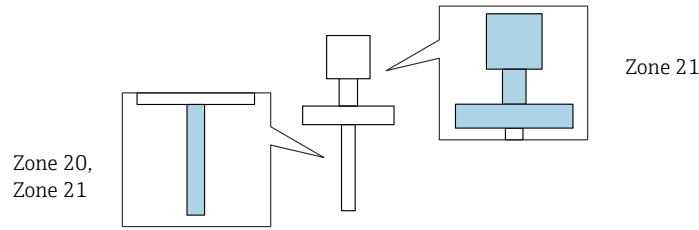
 = B, C	(1)	P1		P2		P3		P4		P5		
		T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	
	A, B, C	135	-40	80	80	80	135	69	135	-40	-40	-40
		185	-40	80	80	80	185	59	185	-40	-40	-40
	K, L	135	-40	76	76	76	135	64	135	-40	-40	-40
		185	-40	76	76	76	185	55	185	-40	-40	-40

Zone 20/21, Zone 21:
Compact; 2 channels

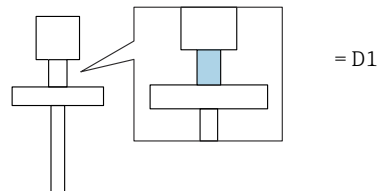
Probe design: compact
 Position 3 = B, C: 2 channels used

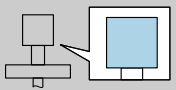
Page references to the temperature tables of the respective device types: See the following list.

- FMP54 → 8
- FMP56 → 9
- FMP57 → 9

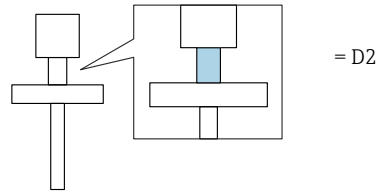


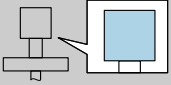
FMP54



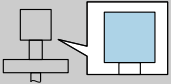
 = B, C	(2)	P1			P2		P3		P4		P5	
		T _p	T _a		T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	B, C	135	-40	75	75	75	135	67	135	-40	-40	-40
		200	-40	75	75	75	200	58	200	-40	-40	-40
		280	-40	75	75	75	280	48	280	-40	-40	-40

FMP54

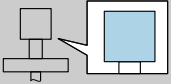


 = B, C	(2)	P1		P2		P3		P4		P5		
		T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	
	B, C	135	-40	75	75	75	135	70	135	-40	-40	-40
		200	-40	75	75	75	200	66	200	-40	-40	-40
		300	-40	75	75	75	300	58	300	-40	-40	-40
		450	-40	75	75	75	450	47	450	-40	-40	-40

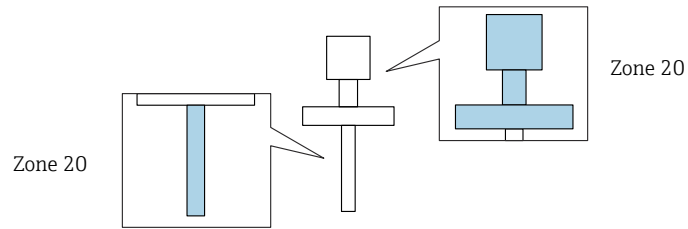
FMP56

 = B, C	(2)	P1		P2		P3		P4		P5		
		T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	
	B, C	120	-40	75	75	75	120	64	120	-40	-40	-40

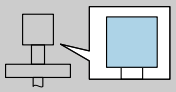
FMP57

 = B, C	(2)	P1		P2		P3		P4		P5		
		T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	
	B	135	-40	75	75	75	135	63	135	-40	-40	-40
		185	-40	75	75	75	185	53	185	-40	-40	-40
	C	135	-40	78	78	78	135	66	135	-40	-40	-40
		185	-40	78	78	78	185	57	185	-40	-40	-40

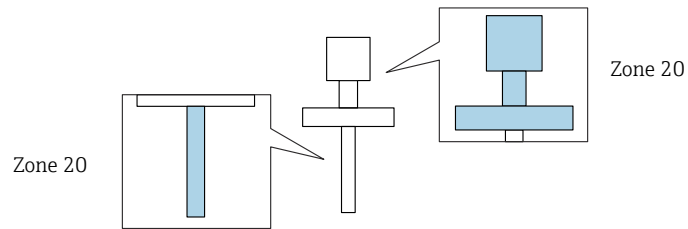
Zone 20: Remote; 1 channel Probe design: remote
 Position 3 = A, B, C: 1 channel used



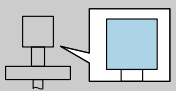
FMP5x

 = B, C	(1)			
	A, B, C	$T = T_a + 5 \text{ K}$ $T_{200} = T_a + 21 \text{ K}$	$T_a = 80$ $T_a = 64$	114

Zone 20: Remote; 2 channels Probe design: remote
 Position 3 = B, C: 2 channels used

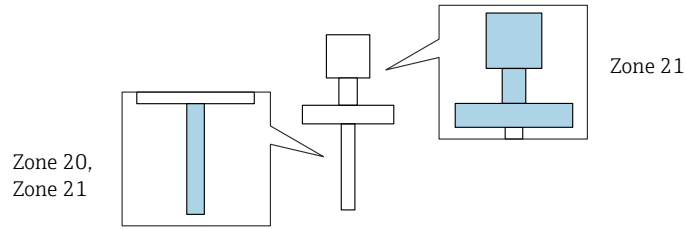


FMP5x

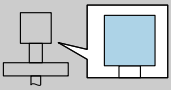
 = B, C	(2)			
	B, C	$T = T_a + 10 \text{ K}$ $T_{200} = T_a + 42 \text{ K}$	$T_a = 75$ $T_a = 43$	114

Zone 20/21, Zone 21:
Remote; 1 channel

Probe design: remote
 Position 3 = A, B, C, K, L: 1 channel used
 Optional specification, ID Mx = MB, MC, MD



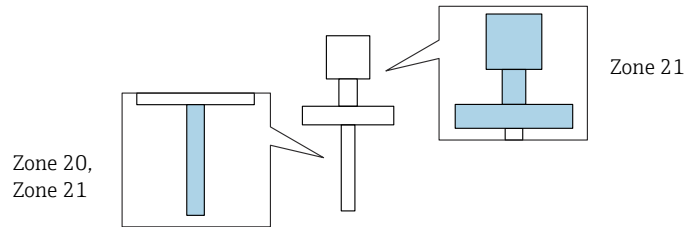
FMP5x

 = B, C	(1)	P1		P2		P3		P4		P5		
		$T_p^{1)}$	T_a	$T_p^{1)}$	T_a	$T_p^{1)}$	T_a	$T_p^{1)}$	T_a	$T_p^{1)}$	T_a	
	A, B, C	80	-	80	-	80	-	80	-	-40	-	-40
	K, L	75	-	75	-	75	-	75	-	-40	-	-40

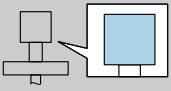
1) T_p = dependent on the sensor

Zone 20/21, Zone 21:
Remote; 2 channels

Probe design: remote
 Position 3 = B, C: 2 channels used
 Optional specification, ID Mx = MB, MC, MD



FMP5x

 = B, C	(2)	P1		P2		P3		P4		P5		
		$T_p^{1)}$	T_a	$T_p^{1)}$	T_a	$T_p^{1)}$	T_a	$T_p^{1)}$	T_a	$T_p^{1)}$	T_a	
	B, C	75	-	75	-	75	-	75	-	-40	-	-40

1) T_p = dependent on the sensor



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