

Safety Instructions

Levelflex FMP50-FMP57

PROFIBUS PA, FOUNDATION Fieldbus

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Levelflex FMP50-FMP57

PROFIBUS PA, FOUNDATION Fieldbus

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Associated documentation

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

ATEX, IECEX:
XA00516F/00

UK:
XA02529F/00

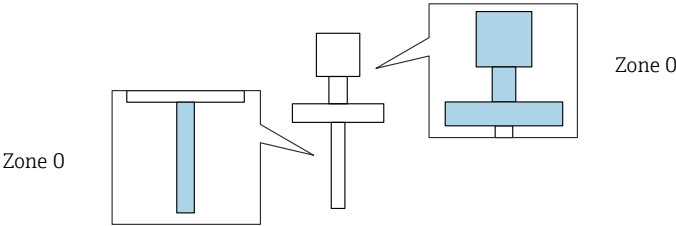
NEPSI:
XA00640F/00

INMETRO:
XA01192F/00

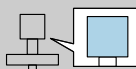
EAC:
XA01381F/00

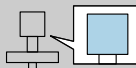
KC:
XA01982F/00

Zone 0: Compact; 1 channel Probe design: compact
Position 3 = E, G: 1 channel used

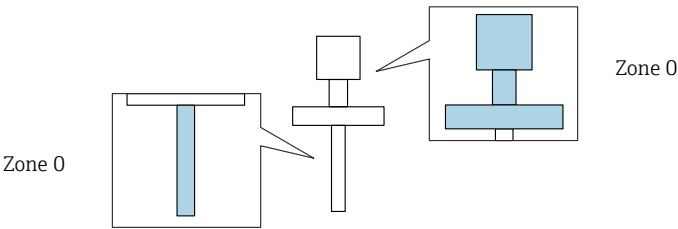


FMP5x

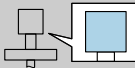
 = A	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-20	42	60	42	60	42	60	-20	-20	-20	-	-
		T5	-20	57	60	57	60	57	60	-20	-20	-20	-	-
		T4	-20	60	60	60	60	60	60	-20	-20	-20	-	-

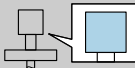
 = B, C	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-20	44	60	44	60	44	60	-20	-20	-20	-	-
		T5	-20	60	60	60	60	60	60	-20	-20	-20	-	-

Zone 0: Compact; 2 channels Probe design: compact
Position 3 = E, G: 2 channels used



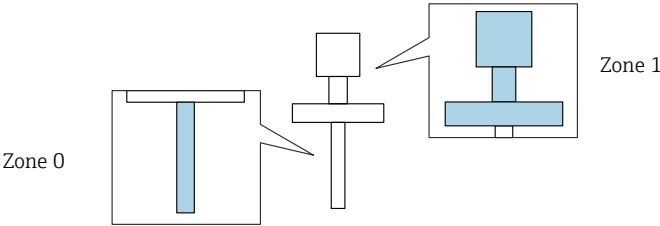
FMP5x

 = A	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-20	33	60	33	60	33	60	-20	-20	-20	-	-
		T5	-20	48	60	48	60	48	60	-20	-20	-20	-	-
		T4	-20	55	60	55	60	55	60	-20	-20	-20	-	-

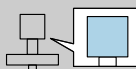
 = B, C	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-20	42	60	42	60	42	60	-20	-20	-20	-	-
		T5	-20	57	60	57	60	57	60	-20	-20	-20	-	-
		T4	-20	60	60	60	60	60	60	-20	-20	-20	-	-

Zone 0, Zone 1: Compact;
1 channel

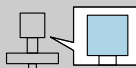
Probe design: compact
Position 3 = E, G: 1 channel used



FMP51-FMP57

 = A	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a ¹⁾	T _p	T _a ¹⁾	T _p	T _a
	E, G	T6	-20	57	57	57	57	57	57	-40	-20	-40	-	-
		T5	-20	73	60	73	60	73	60	-40	-20	-40	-	-

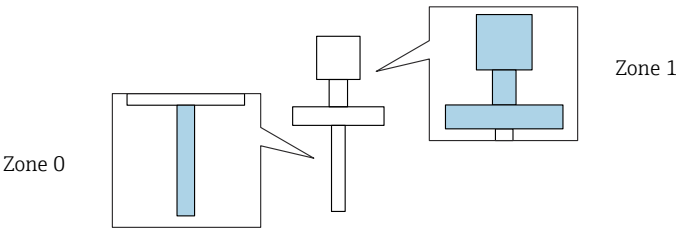
1) FMP53: without remote sensor = -20 °C

 = B, C	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a ¹⁾	T _p	T _a ¹⁾	T _p	T _a
	E, G	T6	-20	60	60	60	60	60	60	-40 -50 ²⁾	-20	-40 -50 ²⁾	-	-
		T5	-20	75	60	75	60	75	60	-40 -50 ²⁾	-20	-40 -50 ²⁾	-	-

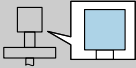
- 1) FMP53: without remote sensor = -20 °C
- 2) Only in connection with Optional specification, ID Jx = JN

Zone 0, Zone 1: Compact;
2 channels

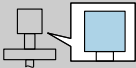
Probe design: compact
Position 3 = E, G: 2 channels used



FMP51-FMP57

 = A	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a ¹⁾	T _p	T _a ¹⁾	T _p	T _a
	E, G	T6	-20	48	48	48	48	48	48	-40	-20	-40	-	-
		T5	-20	56	56	56	56	56	56	-40	-20	-40	-	-

1) FMP53: without remote sensor = -20 °C

 = B, C	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a ¹⁾	T _p	T _a ¹⁾	T _p	T _a
	E, G	T6	-20	56	56	56	56	56	56	-40 -50 ²⁾	-20	-40 -50 ²⁾	-	-
		T5	-20	72	60	72	60	72	60	-40 -50 ²⁾	-20	-40 -50 ²⁾	-	-

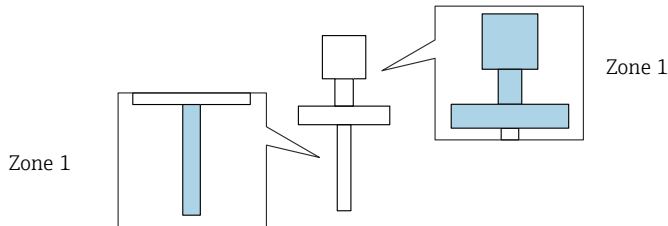
1) FMP53: without remote sensor = -20 °C
2) Only in connection with Optional specification, ID Jx = JN

Zone 1: Compact; 1 channel

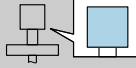
Probe design: compact
Position 3 = E, G: 1 channel used

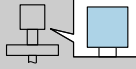
Page references to the temperature tables of the respective device types: See the following list.

- FMP50 → 9
- FMP51 → 10
- FMP52 → 11
- FMP53 → 12
- FMP54 → 13
- FMP55 → 16
- FMP56 → 17
- FMP57 → 18

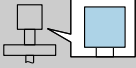


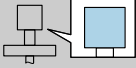
FMP50

 = A	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-20	60	60	60	80	53	80	-20	-20	-20	-	-

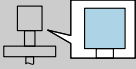
 = C	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-20	60	60	60	80	56	80	-20	-20	-20	-	-

FMP51

 = A	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	45	85	-40	-40	-40	-	-
		T5	-40	73	73	73	100	60	100	-40	-40	-40	-	-
		T4	-40	73	73	73	135	54	135	-40	-40	-40	-	-

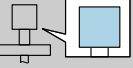
 = B	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40 -50 ¹⁾	60	60	60	85	51	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-	-
		T5	-40 -50 ¹⁾	75	75	75	100	66	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-	-
		T4	-40 -50 ¹⁾	80	80	80	135	67	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-	-
		T3	-40 -50 ¹⁾	80	80	80	200	48	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-	-

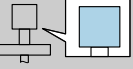
1) Only in connection with Optional specification, ID Jx = JN

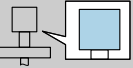
 = C	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40 -50 ¹⁾	60	60	60	85	53	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-	-
		T5	-40 -50 ¹⁾	75	75	75	100	68	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-	-
		T4	-40 -50 ¹⁾	80	80	80	135	69	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-	-
		T3	-40 -50 ¹⁾	80	80	80	200	56	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-	-

1) Only in connection with Optional specification, ID Jx = JN

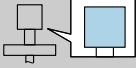
FMP52

 = A	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-50	60	60	60	85	49	85	-40	-40	-40	-50	-35
		T5	-50	73	73	73	100	64	100	-40	-40	-40	-50	-35
		T4	-50	73	73	73	135	58	135	-40	-40	-40	-50	-35
		T3	-50	73	73	73	200	37	200	-40	-40	-40	-50	-35

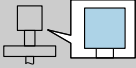
 = B	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-50	60	60	60	85	52	85	-40	-40	-40	-50	-37
		T5	-50	75	75	75	100	67	100	-40	-40	-40	-50	-37
		T4	-50	80	80	80	135	68	135	-40	-40	-40	-50	-37
		T3	-50	80	80	80	200	52	200	-40	-40	-40	-50	-37

 = C	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-50	60	60	60	85	54	85	-40	-40	-40	-50	-37
		T5	-50	75	75	75	100	69	100	-40	-40	-40	-50	-37
		T4	-50	80	80	80	135	70	135	-40	-40	-40	-50	-37
		T3	-50	80	80	80	200	58	200	-40	-40	-40	-50	-37

FMP53

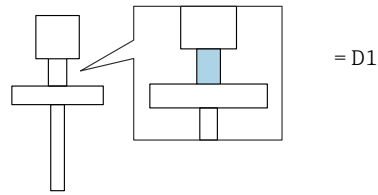
 = A	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-20	60	60	60	85	47	85	-20	-20	-20	-	-
		T5	-20	73	73	73	100	62	100	-20	-20	-20	-	-
		T4	-20	73	73	73	135	56	135	-20	-20	-20	-	-
		T3 ¹⁾	-20	73	73	73	150	52	150	-20	-20	-20	-	-

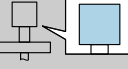
1) Functional: Maximum permissible process temperature

 = C	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-20	60	60	60	85	54	85	-20	-20	-20	-	-
		T5	-20	75	75	75	100	69	100	-20	-20	-20	-	-
		T4	-20	80	80	80	135	69	135	-20	-20	-20	-	-
		T3 ¹⁾	-20	80	80	80	150	66	150	-20	-20	-20	-	-

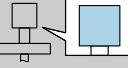
1) Functional: Maximum permissible process temperature

FMP54



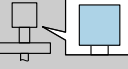
 = A	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	58	58	58	85	53	85	-40	-40	-40	-196	-5
		T5	-196	73	73	73	100	68	100	-40	-40	-40	-196	-5
		T4	-196	73	73	73	135	64	135	-40	-40	-40	-196	-5
		T3	-196	73	73	73	200	54	200	-40	-40	-40	-196	-5
		T2 ¹⁾	-196	73	73	73	280	41	280	-40	-40	-40	-196	-5

1) Functional: Maximum permissible process temperature

 = B	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	60	60	60	85	56	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-16 -27 ¹⁾
		T5	-196	75	75	75	100	71	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-16 -27 ¹⁾
		T4	-196	80	80	80	135	73	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-16 -27 ¹⁾
		T3	-196	80	80	80	200	64	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-16 -27 ¹⁾
		T2 ²⁾	-196	80	80	80	280	54	280	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-16 -27 ¹⁾

1) Only in connection with Optional specification, ID Jx = JN

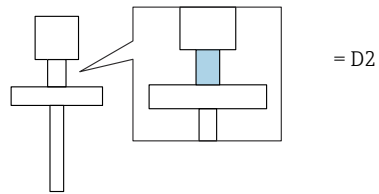
2) Functional: Maximum permissible process temperature

 = C	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	60	60	60	85	57	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-23 -34 ¹⁾
		T5	-196	75	75	75	100	72	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-23 -34 ¹⁾
		T4	-196	80	80	80	135	75	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-23 -34 ¹⁾
		T3	-196	80	80	80	200	68	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-23 -34 ¹⁾
		T2 ²⁾	-196	80	80	80	280	60	280	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-23 -34 ¹⁾

1) Only in connection with Optional specification, ID Jx = JN

2) Functional: Maximum permissible process temperature

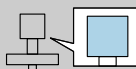
FMP54



= A	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	58	58	58	85	55	85	-40	-40	-40	-196	-21
		T5	-196	73	73	73	100	70	100	-40	-40	-40	-196	-21
		T4	-196	73	73	73	135	67	135	-40	-40	-40	-196	-21
		T3	-196	73	73	73	200	61	200	-40	-40	-40	-196	-21
		T2	-196	73	73	73	300	51	300	-40	-40	-40	-196	-21
		T1	-196	73	73	73	450	37	450	-40	-40	-40	-196	-21

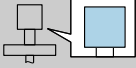
= B	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	60	60	60	85	57	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-26 -37 ¹⁾
		T5	-196	75	75	75	100	72	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-26 -37 ¹⁾
		T4	-196	80	80	80	135	76	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-26 -37 ¹⁾
		T3	-196	80	80	80	200	71	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-26 -37 ¹⁾
		T2	-196	80	80	80	300	64	300	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-26 -37 ¹⁾
		T1	-196	80	80	80	450	52	450	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-26 -37 ¹⁾

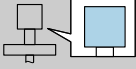
1) Only in connection with Optional specification, ID Jx = JN

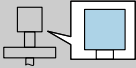
 = C	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	60	60	60	85	58	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-27 -37 ¹⁾
		T5	-196	75	75	75	100	73	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-27 -37 ¹⁾
		T4	-196	80	80	80	135	76	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-27 -37 ¹⁾
		T3	-196	80	80	80	200	72	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-27 -37 ¹⁾
		T2	-196	80	80	80	300	65	300	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-27 -37 ¹⁾
		T1	-196	80	80	80	450	54	450	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-27 -37 ¹⁾

1) Only in connection with Optional specification, ID Jx = JN

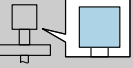
FMP55

 = A	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-50	58	58	60	85	49	85	-40	-40	-40	-50	-35
		T5	-50	73	73	73	100	64	100	-40	-40	-40	-50	-35
		T4	-50	73	73	73	135	55	135	-40	-40	-40	-50	-35
		T3	-50	73	73	73	200	36	200	-40	-40	-40	-50	-35

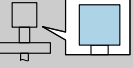
 = B	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-50	60	60	60	85	52	85	-40	-40	-40	-50	-37
		T5	-50	75	75	75	100	67	100	-40	-40	-40	-50	-37
		T4	-50	80	80	80	135	68	135	-40	-40	-40	-50	-37
		T3	-50	80	80	80	200	52	200	-40	-40	-40	-50	-37

 = C	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-50	60	60	60	85	54	85	-40	-40	-40	-50	-37
		T5	-50	75	75	75	100	69	100	-40	-40	-40	-50	-37
		T4	-50	80	80	80	135	69	135	-40	-40	-40	-50	-37
		T3	-50	80	80	80	200	57	200	-40	-40	-40	-50	-37

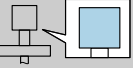
FMP56

 = A	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	47	85	-40	-40	-40	-	-
		T5	-40	73	73	73	100	62	100	-40	-40	-40	-	-
		T4 ¹⁾	-40	73	73	73	120	58	120	-40	-40	-40	-	-

1) Functional: Maximum permissible process temperature

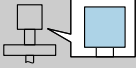
 = B	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	51	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	66	100	-40	-40	-40	-	-
		T4 ¹⁾	-40	80	80	80	120	71	120	-40	-40	-40	-	-

1) Functional: Maximum permissible process temperature

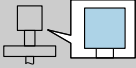
 = C	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	54	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	69	100	-40	-40	-40	-	-
		T4 ¹⁾	-40	80	80	80	120	72	120	-40	-40	-40	-	-

1) Functional: Maximum permissible process temperature

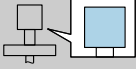
FMP57

 = A	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	49	85	-40	-40	-40	-	-
		T5	-40	73	73	73	100	64	100	-40	-40	-40	-	-
		T4	-40	73	73	73	135	58	135	-40	-40	-40	-	-
		T3 ¹⁾	-40	73	73	73	185	42	185	-40	-40	-40	-	-

1) Functional: Maximum permissible process temperature

 = B	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	53	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	68	100	-40	-40	-40	-	-
		T4	-40	80	80	80	135	69	135	-40	-40	-40	-	-
		T3 ¹⁾	-40	80	80	80	185	60	185	-40	-40	-40	-	-

1) Functional: Maximum permissible process temperature

 = C	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	55	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	70	100	-40	-40	-40	-	-
		T4	-40	80	80	80	135	71	135	-40	-40	-40	-	-
		T3 ¹⁾	-40	80	80	80	185	64	185	-40	-40	-40	-	-

1) Functional: Maximum permissible process temperature

Zone 1: Compact; 2 channels

Probe design: compact
 Position 3 = E, G: 2 channels used
 Page references to the temperature tables of the respective device types: See the following list.

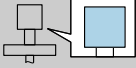
- FMP50 → 19
- FMP51 → 20
- FMP52 → 21
- FMP53 → 22
- FMP54 → 23
- FMP55 → 25
- FMP56 → 26
- FMP57 → 27

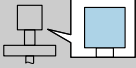
FMP50

= A	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-20	51	51	51	80	46	80	-20	-20	-20	-	-

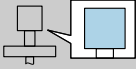
= C	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-20	57	57	57	80	55	80	-20	-20	-20	-	-

FMP51

 = A	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	51	51	51	85	40	85	-40	-40	-40	-	-
		T5	-40	56	56	56	100	42	100	-40	-40	-40	-	-
		T4	-40	56	56	56	135	31	135	-40	-40	-40	-	-

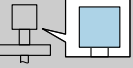
 = B	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40 -50 ¹⁾	57	57	57	85	50	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-	-
		T5	-40 -50 ¹⁾	72	72	72	100	65	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-	-
		T4	-40 -50 ¹⁾	75	75	75	135	61	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-	-
		T3	-40 -50 ¹⁾	75	75	75	200	45	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-	-

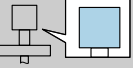
1) Only in connection with Optional specification, ID Jx = JN

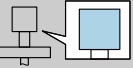
 = C	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40 -50 ¹⁾	57	57	57	85	51	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-	-
		T5	-40 -50 ¹⁾	72	72	72	100	66	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-	-
		T4	-40 -50 ¹⁾	75	75	75	135	63	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-	-
		T3	-40 -50 ¹⁾	75	75	75	200	50	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-	-

1) Only in connection with Optional specification, ID Jx = JN

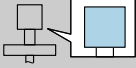
FMP52

 = A	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-50	51	51	51	85	42	85	-40	-40	-40	-50	-35
		T5	-50	56	56	56	100	45	100	-40	-40	-40	-50	-35
		T4	-50	56	56	56	135	36	135	-40	-40	-40	-50	-35

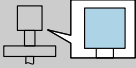
 = B	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-50	57	57	57	85	51	85	-40	-40	-40	-50	-37
		T5	-50	72	72	72	100	66	100	-40	-40	-40	-50	-37
		T4	-50	75	75	75	135	62	135	-40	-40	-40	-50	-37
		T3	-50	75	75	75	200	47	200	-40	-40	-40	-50	-37

 = C	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-50	57	57	57	85	52	85	-40	-40	-40	-50	-37
		T5	-50	72	72	72	100	67	100	-40	-40	-40	-50	-37
		T4	-50	75	75	75	135	64	135	-40	-40	-40	-50	-37
		T3	-50	75	75	75	200	52	200	-40	-40	-40	-50	-37

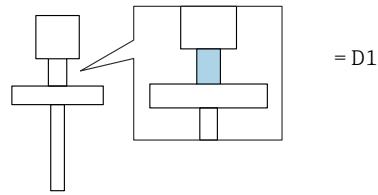
FMP53

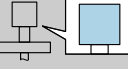
 = A	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-20	51	51	51	85	41	85	-20	-20	-20	-	-
		T5	-20	56	56	56	100	43	100	-20	-20	-20	-	-
		T4	-20	56	56	56	135	34	135	-20	-20	-20	-	-
		T3 ¹⁾	-20	56	56	56	150	30	150	-20	-20	-20	-	-

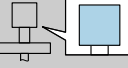
1) Functional: Maximum permissible process temperature

 = C	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-20	57	57	57	85	51	85	-20	-20	-20	-	-
		T5	-20	72	72	72	100	66	100	-20	-20	-20	-	-
		T4	-20	75	75	75	135	63	135	-20	-20	-20	-	-
		T3 ¹⁾	-20	75	75	75	150	60	150	-20	-20	-20	-	-

1) Functional: Maximum permissible process temperature

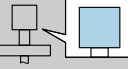
FMP54


 = A	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	51	51	51	85	45	85	-40	-40	-40	-196	-5
		T5	-196	56	56	56	100	49	100	-40	-40	-40	-196	-5
		T4	-196	56	56	56	135	44	135	-40	-40	-40	-196	-5
		T3	-196	56	56	56	200	34	200	-40	-40	-40	-196	-5

 = B	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	57	57	57	85	53	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-16 -27 ¹⁾
		T5	-196	72	72	72	100	68	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-16 -27 ¹⁾
		T4	-196	75	75	75	135	67	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-16 -27 ¹⁾
		T3	-196	75	75	75	200	59	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-16 -27 ¹⁾
		T2 ²⁾	-196	75	75	75	280	48	280	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-16 -27 ¹⁾

1) Only in connection with Optional specification, ID Jx = JN

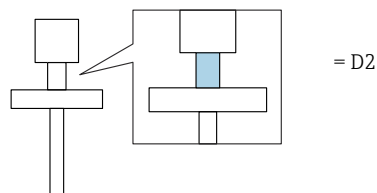
2) Functional: Maximum permissible process temperature

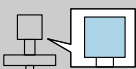
 = C	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	57	57	57	85	54	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-23 -34 ¹⁾
		T5	-196	72	72	72	100	69	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-23 -34 ¹⁾
		T4	-196	75	75	75	135	69	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-23 -34 ¹⁾
		T3	-196	75	75	75	200	63	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-23 -34 ¹⁾
		T2 ²⁾	-196	75	75	75	280	55	280	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-23 -34 ¹⁾

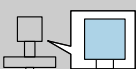
1) Only in connection with Optional specification, ID Jx = JN

2) Functional: Maximum permissible process temperature

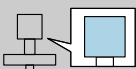
FMP54



 = A	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	51	51	51	85	47	85	-40	-40	-40	-196	-21
		T5	-196	56	56	56	100	52	100	-40	-40	-40	-196	-21
		T4	-196	56	56	56	135	48	135	-40	-40	-40	-196	-21
		T3	-196	56	56	56	200	42	200	-40	-40	-40	-196	-21
		T2	-196	56	56	56	300	32	300	-40	-40	-40	-196	-21

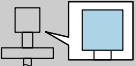
 = B	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	57	57	57	85	55	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-26 -37 ¹⁾
		T5	-196	72	72	72	100	70	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-26 -37 ¹⁾
		T4	-196	75	75	75	135	71	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-26 -37 ¹⁾
		T3	-196	75	75	75	200	66	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-26 -37 ¹⁾
		T2	-196	75	75	75	300	58	300	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-26 -37 ¹⁾
		T1	-196	75	75	75	450	47	450	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-26 -37 ¹⁾

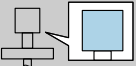
1) Only in connection with Optional specification, ID Jx = JN

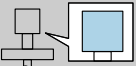
 = C	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	57	57	57	85	55	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-27 -37 ¹⁾
		T5	-196	72	72	72	100	70	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-27 -37 ¹⁾
		T4	-196	75	75	75	135	71	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-27 -37 ¹⁾
		T3	-196	75	75	75	200	66	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-27 -37 ¹⁾
		T2	-196	75	75	75	300	59	300	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-27 -37 ¹⁾
		T1	-196	75	75	75	450	49	450	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-27 -37 ¹⁾

1) Only in connection with Optional specification, ID Jx = JN

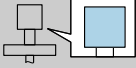
FMP55

 = A	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-50	51	51	51	85	41	85	-40	-40	-40	-50	-35
		T5	-50	56	56	56	100	43	100	-40	-40	-40	-50	-35
		T4	-50	56	56	56	135	32	135	-40	-40	-40	-50	-35

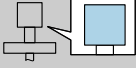
 = B	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-50	57	57	57	85	51	85	-40	-40	-40	-50	-37
		T5	-50	72	72	72	100	66	100	-40	-40	-40	-50	-37
		T4	-50	75	75	75	135	62	135	-40	-40	-40	-50	-37
		T3	-50	75	75	75	200	47	200	-40	-40	-40	-50	-37

 = C	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-50	57	57	57	85	51	85	-40	-40	-40	-50	-37
		T5	-50	72	72	72	100	66	100	-40	-40	-40	-50	-37
		T4	-50	75	75	75	135	63	135	-40	-40	-40	-50	-37
		T3	-50	75	75	75	200	51	200	-40	-40	-40	-50	-37

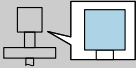
FMP56

 = A	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	51	51	51	85	40	85	-40	-40	-40	-	-
		T5	-40	56	56	56	100	42	100	-40	-40	-40	-	-
		T4 ¹⁾	-40	56	56	56	120	35	120	-40	-40	-40	-	-

1) Functional: Maximum permissible process temperature

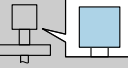
 = B	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	57	57	57	85	50	85	-40	-40	-40	-	-
		T5	-40	72	72	72	100	65	100	-40	-40	-40	-	-
		T4 ¹⁾	-40	75	75	75	120	65	120	-40	-40	-40	-	-

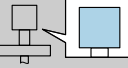
1) Functional: Maximum permissible process temperature

 = C	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	57	57	57	85	51	85	-40	-40	-40	-	-
		T5	-40	72	72	72	100	66	100	-40	-40	-40	-	-
		T4 ¹⁾	-40	75	75	75	120	66	120	-40	-40	-40	-	-

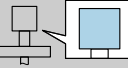
1) Functional: Maximum permissible process temperature

FMP57

 = A	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	51	51	51	85	42	85	-40	-40	-40	-	-
		T5	-40	56	56	56	100	45	100	-40	-40	-40	-	-
		T4	-40	56	56	56	135	37	135	-40	-40	-40	-	-

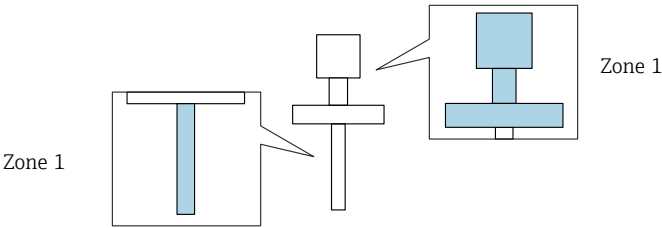
 = B	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	57	57	57	85	51	85	-40	-40	-40	-	-
		T5	-40	72	72	72	100	66	100	-40	-40	-40	-	-
		T4	-40	75	75	75	135	63	135	-40	-40	-40	-	-
		T3 ¹⁾	-40	75	75	75	185	54	185	-40	-40	-40	-	-

1) Functional: Maximum permissible process temperature

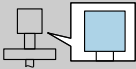
 = C	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	57	57	57	85	52	85	-40	-40	-40	-	-
		T5	-40	72	72	72	100	67	100	-40	-40	-40	-	-
		T4	-40	75	75	75	135	65	135	-40	-40	-40	-	-
		T3 ¹⁾	-40	75	75	75	185	58	185	-40	-40	-40	-	-

1) Functional: Maximum permissible process temperature

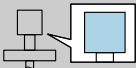
Zone 1: Remote; 1 channel Probe design: remote
Position 3 = E, G: 1 channel used
Optional specification, ID Mx = MB, MC, MD



FMP5x

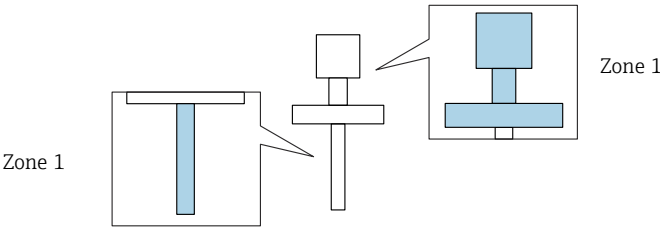
 = A	(1)		P1		P2		P3		P4		P5		P6	
			$T_p^{1)}$	T_a	$T_p^{1)}$	T_a	$T_p^{1)}$	T_a	$T_p^{1)}$	T_a	$T_p^{1)}$	T_a	$T_p^{1)}$	T_a
	E, G	T6	-	58	-	58	-	58	-	-40	-	-40	-	-

1) T_p = dependent on the sensor

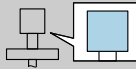
 = B, C	(1)		P1		P2		P3		P4		P5		P6	
			$T_p^{1)}$	T_a	$T_p^{1)}$	T_a	$T_p^{1)}$	T_a	$T_p^{1)}$	T_a	$T_p^{1)}$	T_a	$T_p^{1)}$	T_a
			E, G	T6	-	60	-	60	-	-40	-	-40	-	-
				T5	-	75	-	75	-	-40	-	-40	-	-

1) T_p = dependent on the sensor

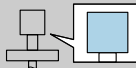
Zone 1: Remote; 2 channels Probe design: remote
Position 3 = E, G: 2 channels used
Optional specification, ID Mx = MB, MC, MD



FMP5x

 = A	(2)		P1		P2		P3		P4		P5		P6	
			$T_p^{1)}$	T_a	$T_p^{1)}$	T_a	$T_p^{1)}$	T_a	$T_p^{1)}$	T_a	$T_p^{1)}$	T_a	$T_p^{1)}$	T_a
	E, G	T6	-	51	-	51	-	51	-	-40	-	-40	-	-

1) T_p = dependent on the sensor

 = B, C	(2)		P1		P2		P3		P4		P5		P6	
			$T_p^{1)}$	T_a	$T_p^{1)}$	T_a	$T_p^{1)}$	T_a	$T_p^{1)}$	T_a	$T_p^{1)}$	T_a	$T_p^{1)}$	T_a
			-	57	-	57	-	57	-	-40	-	-40	-	-
	E, G	T5	-	72	-	72	-	72	-	-40	-	-40	-	-

1) T_p = dependent on the sensor



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