

2-wire programmable transmitter

6334B

- TC input
- High measurement accuracy
- Galvanic isolation
- Can be installed in Ex zone 0
- 1- or 2-channel version





















Application

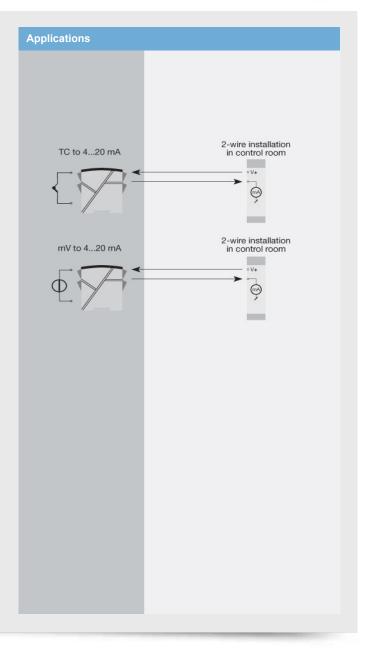
- · Linearized temperature measurement with TC sensor.
- Amplification of bipolar mV signals to a 4...20 mA signal, optionally linearized according to a defined linearization function.

Technical characteristics

- Within a few seconds the user can program PR6334B to measure temperatures within all TC ranges defined by the norms.
- · Cold junction compensation (CJC) with a built-in temperature sensor.
- · A limit can be programmed on the output signal.
- · Continuous check of vital stored data for safety reasons.

Mounting / installation

- · Mounted vertically or horizontally on a DIN rail. Using the 2channel version up to 84 channels can be mounted per meter.
- The 6334B can be mounted in zone 0, 1, 2 and zone 21, 22 including M1.



Order

Туре	Version		Galvanio isolation	7.0	Channel	s
6334	Zone 0, 1, 2, 21, 22, M1 / DIV. 1, DIV. 2	: B	1500 VAC	: 2	Single Double	: A : B

Environmental Conditions Operating temperature	-40°C to +85°C 2028°C < 95% RH (non-cond.)
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Mechanical specifications Dimensions (HxWxD) Weight (1 / 2 channels) DIN rail type Wire size	145 / 185 g DIN EN 60715/35 mm 0.132.08 mm ² AWG 2614 stranded wire
Screw terminal torque	0.5 Nm
Common specifications Supply	
Supply voltage	≤ 0.7 W/≤ 1.4 W (1 ch./2 ch.)
Isolation voltage Isolation voltage, test / working	1.5 kVAC / 50 VAC
Response time	
Response time (programmable)	
Voltage drop	
Warm-up time	
Programming	
Signal / noise ratio	
Accuracy	range
EEprom error check	•
Signal dynamics, input	
Signal dynamics, output	
Effect of supply voltage change	< 0.005% of span / VDC
EMC immunity influence	< ±0.5% of span
Extended EMC immunity: NAMUR NE21, A criterion, burst	< ±1% of span
Input specifications	
Common input specifications Max. offset	50% of selected max. value
TC input	
Thermocouple type	B, E, J, K, L, N, R, S, T, U, W3, W5, LR
Cold junction compensation (CJC)	< ±1.0°C
Voltage input	
Measurement range	
Min. measurement range (span)	
Input resistance	10 ΜΩ

Output specifications

Current output	
Signal range	420 mA
Min. signal range	16 mA
Load (@ current output)	\leq (Vsupply - 7.2) / 0.023 [Ω]
Sensor error indication	Programmable 3.523 mA
NAMUR NE43 Upscale/Downscale	23 mA / 3.5 mA
Common output specifications	
Updating time	440 ms
of span	= of the presently selected range

LIVIO	2017/30/LO & OK 31 20 10/1031
ATEX	2014/34/EU & UK SI 2016/1107
RoHS	2011/65/EU & UK SI 2012/3032
EAC	TR-CU 020/2011
EAC Ex	TR-CU 012/2011
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Approvals	
ATEX	DEKRA 20ATEX0095X
IECEx	DEK 20.0059X
INMETRO	DEKRA 23 0009X

EAC Ex..... EAEU KZ 7500361.01.01.08756