

Foxboro - I/A Series / EcoStruxure Foxboro DCS**FBM202**

Eight-Channel Isolated Thermocouple/mV Input Module

Verified product identity

FBM202 is the functional designation; RH926EQ is the current electronic-module part number.

Verified specifications

Input channels	8 thermocouple or millivolt channels
Reference-junction channel	1 isolated four-wire 100 Ω platinum RTD at the TA
Supported thermocouples	B, E, J, K, N, R, S and T
Millivolt input range	-10.5 to +69.5 mV
Raw measurement span	71.419 mV represented by 65,535 counts
Millivolt accuracy	$\pm 0.03\%$ of span ($\pm 24 \mu\text{V}$) at 25°C
RTD reference accuracy	$\pm 0.03\%$
Temperature coefficient	$\pm 50 \text{ ppm}/^\circ\text{C}$
Input impedance	10 M Ω
Burnout behavior	Full upscale
Channel isolation	Galvanically isolated channel-to-channel and channel-to-ground
Isolation test	600 VAC for one minute; input safety limits still apply

Selection summary

Foxboro FBM202 is an eight-channel isolated thermocouple and millivolt input module for temperature and low-level signal acquisition.

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Additional verified data

Power consumption / heat	3 W maximum
Current termination assemblies	RH916XH compression; P0917JL ring lug
Baseplate termination assembly	RH928CN
Module Fieldbus	Redundant 2 Mbps
Input power	24 VDC +5%, -10%
Operating temperature	-20 to +70°C
Storage temperature	-40 to +70°C
Relative humidity	5 to 95%, noncondensing
Operating altitude	-300 to +3,000 m
Storage altitude	-300 to +12,000 m
Vibration	0.75 g from 5 to 500 Hz
Contamination class	ISA-S71.04 Class G3
Dimensions (W × H × D)	4.5 × 10.2 × 10.4 cm

Installation and commissioning

- Use FBM202 only for its documented FBM202 function and matched field signal type
- Confirm the exact module order identity, termination assembly and cable before replacement
- Preserve channel configuration, field wiring and diagnostics before removing FBM202

Application checkpoints

- Multi-point thermocouple temperature measurement
- Isolated low-level millivolt acquisition
- Temperature retrofit requiring preserved TA cold-junction compensation

Evidence boundary

Dimensions in this document are the official electronic-module envelope. The official approximate electronic-module net weight is 0.284 kg; termination assemblies, cables and packaging are excluded.

Source basis: official Schneider Electric / Foxboro model-specific Product Specifications Sheet.