

Foxboro - Foxboro 200 Series**RH914TD****FBM207 16-Channel Voltage Monitor Input Module****Verified model data**

Manufacturer	Foxboro
Part number	RH914TD
Functional designation	FBM207
Channels	16 isolated voltage-monitor inputs
Field range	15 to 60 VDC on-state
Module dimensions	4.5 × 10.2 × 10.4 cm (W × H × D)
Module net weight	0.185 kg, approximate
Heat dissipation	5.5 W, including contribution from the field power supply
Channel isolation test	600 VAC for 1 minute between any channel and ground, or between any two channels
Operating temperature	-20 to +70°C
Storage temperature	-40 to +70°C

Selection summary

Foxboro RH914TD monitors sixteen independent 15–60 VDC on-state circuits and reports their states to its associated control processor.

The module provides per-channel isolation and configurable debounce, enabling field-status monitoring in electrically diverse process circuits.

It is selected for voltage-present/voltage-absent status acquisition rather than for the internally excited contact-sense service of other FBM207 variants.

Foxboro - Foxboro 200 Series**RH914TD****Additional verified data**

Relative humidity	5 to 95%, non-condensing
Vibration	0.75 g from 5 to 500 Hz

Input Behavior

- Sixteen channels are isolated and independent
- Voltage-monitor operation distinguishes documented on and off states
- Configurable debounce supports noisy contact or voltage circuits

Termination Selection

- TA choice must match voltage range and field-excitation method
- Type 4 cables connect the module baseplate to DIN-rail TAs
- Redundant installations use the documented adapter and adjacent slots

Diagnostics

- Test channel isolation before reconnecting unknown field circuits
- Compare terminal voltage with the database state during troubleshooting
- Validate filter timing and safe logic after replacement

Application checkpoints

- DC field-voltage status monitoring
- Isolated discrete-state acquisition
- Redundant status-input service with the documented adapter

Evidence boundary: The official module table maps RH914TD specifically to FBM207. Dimensions and weight are the module values, not TA values.

Source basis: Foxboro PSS 41H-2S207, Rev. B.