

MBMet 903

Pressure Sensor

Overview

The MBMet-903 Series Pressure Sensor is designed for accurate and reliable pressure monitoring in demanding environmental and industrial applications. It delivers highly precise, fully calibrated measurements with excellent stability across a wide operating range.

Engineered with advanced pressure-sensing technology, the MBMet-903 offers low power consumption, fast response time, and long-term measurement consistency. Its robust design supports fixed installations and is optimized for integration into control systems using a DIN rail mounting system inside cabinets, ensuring secure installation, organized wiring, and ease of maintenance in industrial environments. The sensor maintains reliable performance even under harsh environmental conditions, including exposure to temperature variations and electromagnetic interference.

With its durable construction and high measurement accuracy, the MBMet-903 is ideal for enclosed monitoring system, where precise and stable pressure data is essential for performance analysis and operational reliability.



Key Features



Ultra-Low Noise:
RMS noise as low as 0.08 Pa (typical) ensures stable data for precise altitude and pressure monitoring.



Power Efficiency:
Consumes only 13 mA at @12 VDC.



Wide Measurement Range:
Supports a broad pressure range from 300 to 1250 hPa, enabling reliable performance across varying environmental conditions.

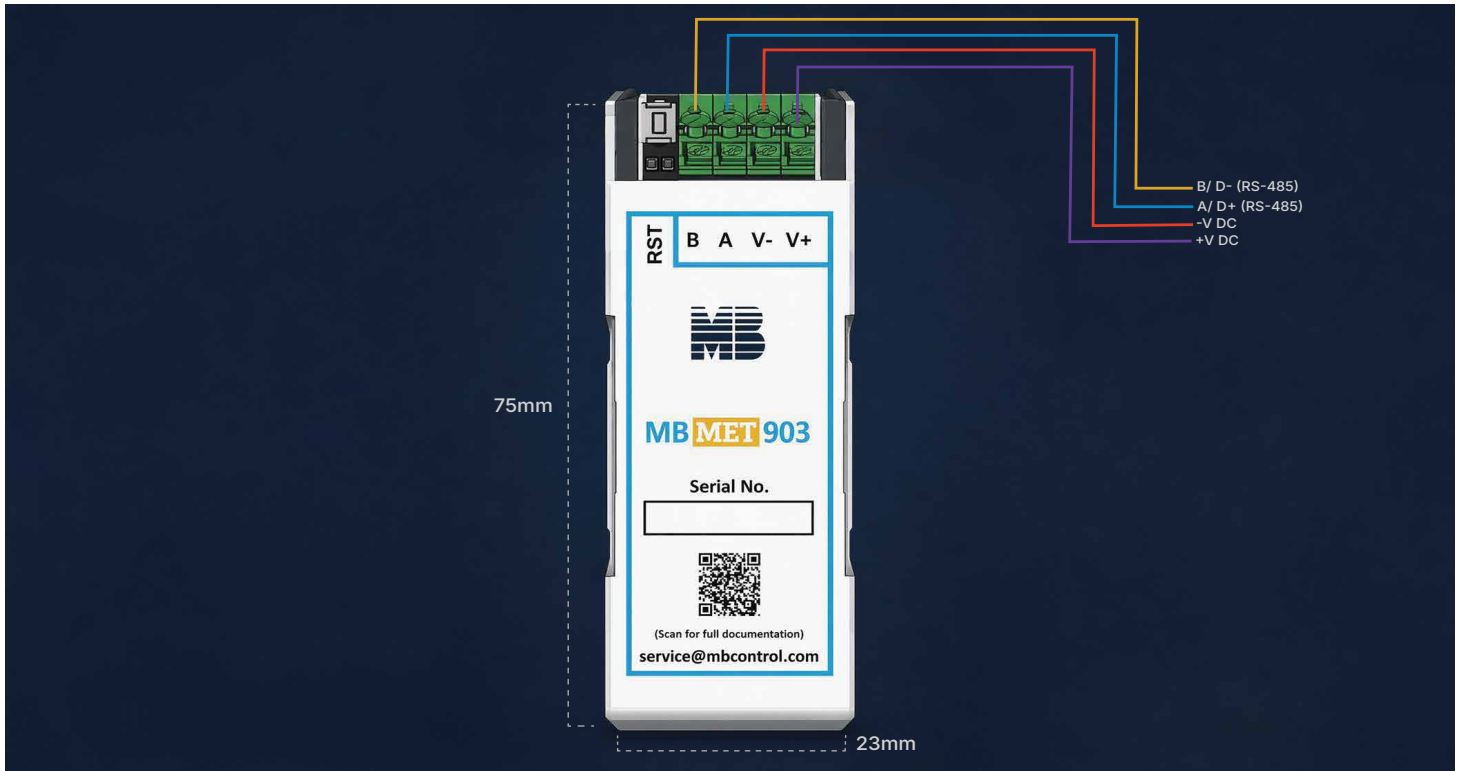


Fast Response Performance:
Provides a rapid 0.1 s response time for accurate real-time ambient pressure measurement.



Long-Term Stability:
Designed with low yearly drift to ensure consistent accuracy and dependable performance over extended periods.

Connection Diagram



Technical Specifications

FEATURES	SPECIFICATION
Measuring Range	300 to 1250 hPa
Operating Temperature Range	-40°C to +85°C
Operating Humidity Range	5% to 85%
Resolution	0.01 hPa
Absolute Pressure Accuracy	±0.2 hPa
Response Time	0.1 s
Short-term Drift	±0.01 hPa
Output	Modbus (RS-485)

FEATURES	SPECIFICATION
Operating voltage	9 to 32 VDC
Power consumption	13 mA @ 12 VDC
Weight	Approx. 40 gm
Dimension	50 mm × 23 mm × 75 mm
Mounting Type	DIN rail Mounting
Sensor housing	ABS Enclosure
IP rating	IP20

