Siemens EcoTech

Precise and reliable differential pressure measurement

The new generation of QBM2/QBM3 series differential pressure sensors features an industrial-grade reinforced design, specifically engineered for precise differential pressure measurement in harsh environments. Compliant with the industrial-grade electromagnetic interference standards EN 60730-1 and EN 61326-1, it offers a variety of accuracy and measurement range options to precisely meet the needs of core industrial scenarios such as pressure gradient control in pharmaceutical cleanrooms, dynamic environmental monitoring in electronic dust-free workshops, and safety assurance in laboratory negative pressure systems. Additionally, it covers environmental control requirements for critical facilities such as hospitals and data centers.

Innovative design for enhanced efficiency

- LED indicators provide real-time feedback on the power connection.
- Engineering mode simplifies on-site debugging with fixed signal output.
- One-touch zero calibration ensures high-precision measurements.
- Adjustable response time adapts to diverse application needs.

Improved durability and sustainability

- Stainless steel fittings provide corrosion resistance, durability, and hygienic compliance for harsh environments.
- IP65 dustproof and waterproof construction ensures stability in challenging conditions.
- Siemens EcoTech label recognizes outstanding sustainability, supply chain excellence, and transparency.

Reliable performance, cost-effective solutions

- Offers high-accuracy control to minimize energy waste and optimize performance.
- Meets rigorous global Siemens quality standards for reliable operation.
- Supports both current and voltage signals with adjustable pressure ranges, simplifying inventory management and reducing costs.
- Complies with industrial-grade standards EN 60730-1 and EN 61326-1 for dependable performance.

SIEMENS

Hospital

Clean room

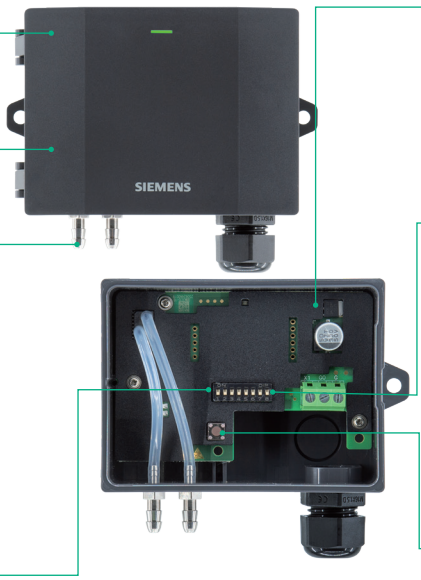
E-plant

LED indicator
Power LED indicator for quick supply status verification.

IP 65 protection rating
Dust-tight and water-resistant design for harsh indoor/ outdoor environments, ensuring longer service life and measurement accuracy.

Stainless steel fittings
Excellent anti-corrosion performance, suitable for complex environments, enhancing overall reliability.

Built-in engineering mode
Fixed signal output for simplified field testing.



Insulating film
Prevents damage to components on the PCBA during operation by engineers, effectively protecting the circuit board.

Flexible output mode and adjustable pressure ranges
Each model supports both current and voltage outputs with DIP switch-selectable pressure ranges, reducing model variants and inventory costs.

Zero calibration
Quick and easy on-site calibration with the press of a button, requiring no external tools, ensuring measurement accuracy.

Product type overview

Product model	Pressure range 1	Pressure range 2	Pressure range 3	Pressure range 4	Output signal	Accuracy	Fittings material
QBM2235-1U	0...100 Pa	±100 Pa	±50 Pa	-	DC 0...10 V/4...20 mA	<±2 % FS	Plastic
QBM2235-5	0...500 Pa	0...250 Pa	0...200 Pa	-	DC 0...10 V/4...20 mA	<±2 % FS	Plastic
QBM2235-30	0...3000 Pa	0...2000 Pa	0...1500 Pa	0...1000 Pa	DC 0...10 V/4...20 mA	<±2 % FS	Plastic
QBM3235-5	0...500 Pa	0...300 Pa	0...100 Pa	-	DC 0...10 V/4...20 mA	<±0.6 % FS	Stainless steel
QBM3235-10	0...1000 Pa	0...750 Pa	0...500 Pa	-	DC 0...10 V/4...20 mA	<±0.6 % FS	Stainless steel
QBM3235-20	0...2000 Pa	0...1500 Pa	0...1000 Pa	-	DC 0...10 V/4...20 mA	<±0.6 % FS	Stainless steel
QBM3235-30	0...3000 Pa	0...2500 Pa	0...2000 Pa	-	DC 0...10 V/4...20 mA	<±0.6 % FS	Stainless steel
QBM3235-1U	0...100 Pa	±100 Pa	0...50 Pa	±50 Pa	DC 0...10 V/4...20 mA	<±0.5 % FS	Stainless steel

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