

EV Brake Booster Vacuum Pressure Sensor (BVS Series)

Model: MI-BVS Series

Product Overview

Differential and gauge pressure transducer monitoring vacuum booster reservoirs in electric, hybrid, and start-stop vehicle brake systems.

Key Features

- Precision piezoresistive silicon core for negative pressure / vacuum
- Ensures immediate electric vacuum pump activation when booster vacuum drops
- Analog ratiometric voltage output (0.5-4.5V DC)
- Automotive 3-pin sealed connector interface
- Vibration-resistant bracket for direct brake booster tank mounting

Typical Applications

- Automotive & Commercial Vehicles
- Industrial Machinery & Automation
- Electric Vehicles (EV & FCEV)
- Safety Interlocks & Control Systems

Technical Specifications

Parameter	Specification / Technical Value
Pressure Range	-100 kPa to 0 kPa (Vacuum)
Supply Voltage	5.0V ± 0.25V DC
Output Signal	0.5V to 4.5V ratiometric
Accuracy	±1.5% FS (-40°C to +120°C)
Proof Pressure	300 kPa
Operating Temp	-40°C to +125°C