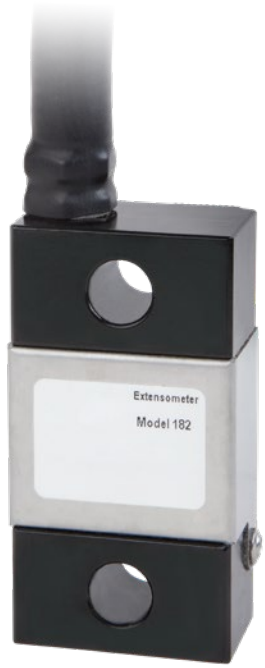
Strain Gage-Based Extensometer

Model 182



High Performance Strain Gage-Based Sensor for Safety Applications



FEATURES

- Strain gage-based sensor
- Redundant option available for enhanced safety
- EDOC coated alloy steel for superior corrosion resistance
- EN15000 - EN138G9 PLd capable
- Output options:
  - mV/V, 4–20 mA, or 0–10 V
  - CAN Open or J1939 with M12 or DT connectors

APPLICATIONS

- Off-highway or agricultural vehicles
- Lifting machinery and telescopic handlers

Model 182

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Strain Gage-Based Extensometer

The Model 182 extensometer is a high performance strain gage-based force sensor, which is designed to measure the deformation of any solid structural body. The IP67 rated device offers great structural monitoring capabilities for many possible applications. The model supports mV/V, 4–20 mA or 0–10 V outputs as a standard.

On the safety application aspect, the Model 182 extensometer is the ideal sensor to have on any given vehicle machinery, providing chassis safety monitoring under various lifting or loading scenario. Complying with the most stringent industry standards EN15000 /EN280 it supports users either with a CAN Open or SAE J1939 protocol, with further choice of a DT or M12 connector.

Parameter	Specification
Equivalent Rated Load	120 kg
Equivalent Output (Generic)	mV/V, 4–20 mA or 0–10 V
Equivalent Output (Safety)	CAN Open, J1939
Temperature Range, Compensated	–10°C to +80°C
Cable Length	0.2, 0.5, 1.0 m
Operating Temperature Range	–40°C to +90°C
Construction	Coated alloy steel sensor, stainless steel electronic housing, RTV potting
Environmental Protection	IP67

At VPG Transducers, we understand that
each application can be unique or special.

Please contact our in-house Custom Solutions team to
engage our services towards meeting your specific requirements:

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