

Pioneering new technologies
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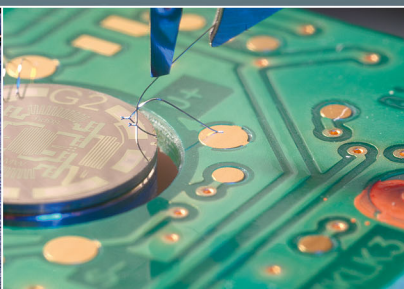
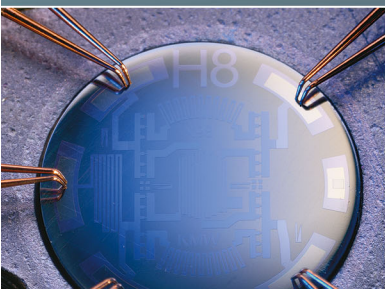
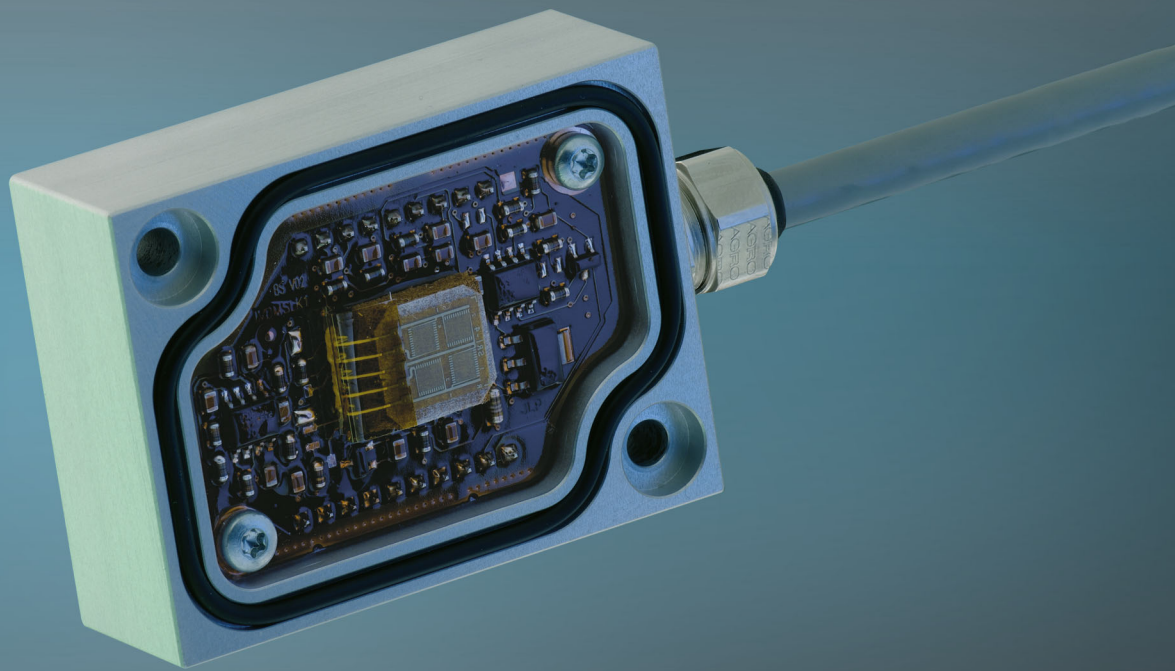


Sensor-Technik Wiedemann GmbH
Mobile Controllers and Measurement Technologies

TEC *Tect Electronics*
The authorized distributor in the Greater China Region

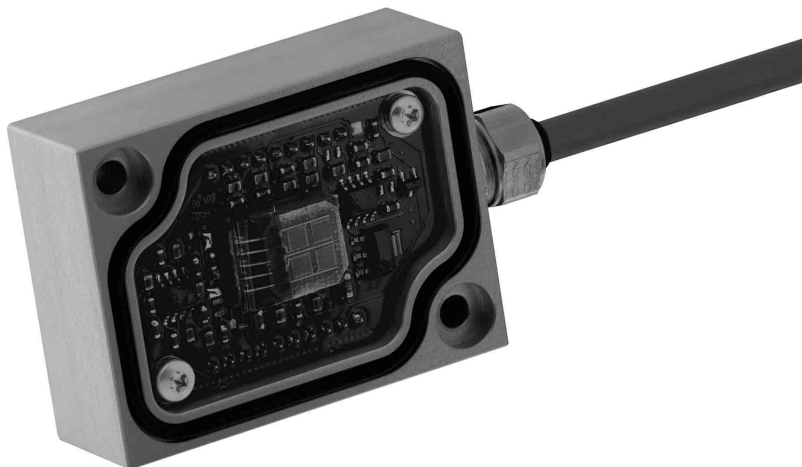
Strain Gauge IVDMS

Strain Gauge IVDMS



Characteristics

- Full strain bridge
- CAN-Bus-Interface
- Analog output
- Offset - calibration by software
- Simple mounting

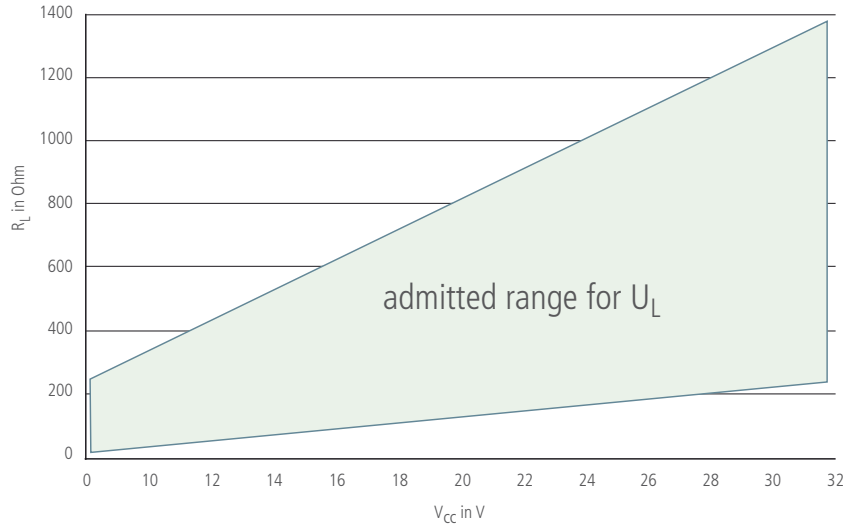


Technical specifications

Measuring range	µm/m	± 2.200
Overload	µm/m	50.000
Linearity	% FS	< 0.5
Repeatability	% FS	< 0.5 (from sensor to sensor)
Temperature stability	% FS/K	< 0.1
Sensitivity	% FS	< 0.1
Supply voltage	VDC	8 ... 32
Output signal		CAN-Bus 2.0B, 4-20 mA
Operating temperature range	°C	-25 ... +85
Storage temperature	°C	-40 ... +100
Electrical connection		1m cable
EMC		according to EN 61326
Material housing		aluminum, anodized
Protection class		IP 65
Note		glue not included

Operating area for current output

- output signal 4 ... 20 mA, (load resistance to GND)
- min. load $R_{Lmin} = 9.4 \Omega/V * V_{cc} - 75 \text{ Ohmz}$
- max. load $R_{Lmax} = 48 \Omega/V * V_{cc} - 133 \text{ Ohmz}$
- bandwidth 1 kHz

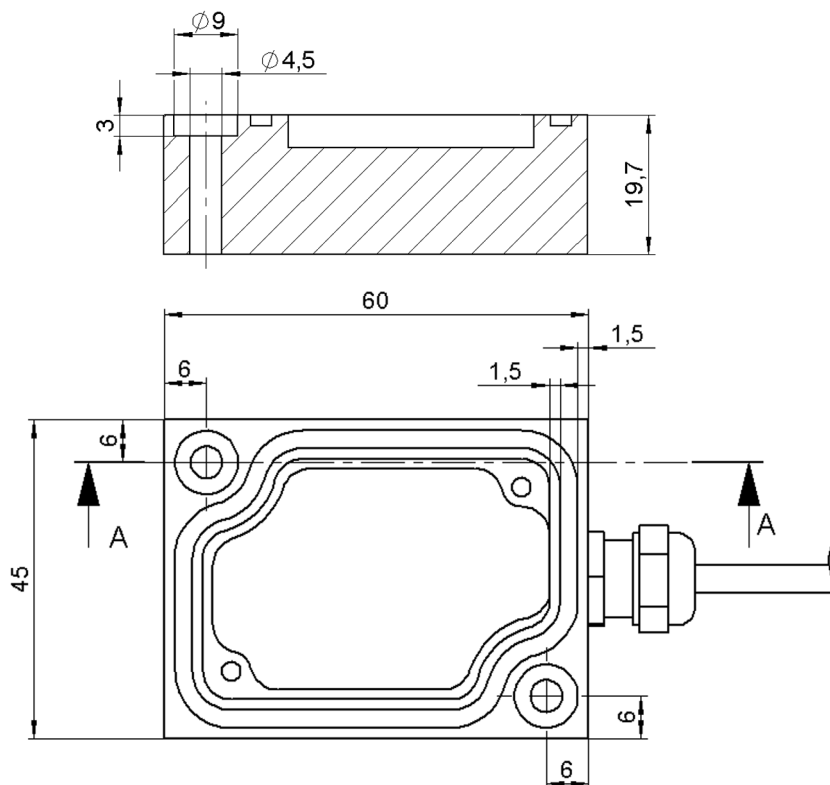


Pin occupancy IVDMS

	cable connection
+U _B	red
GND	black
Signal (analog)	yellow
CAN high	orange
CAN low	green

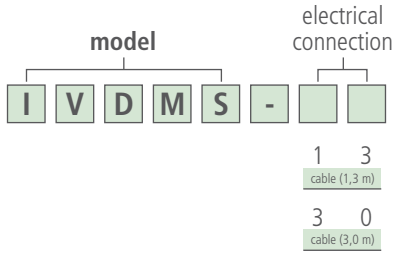
Scale drawing IVDMS

A-A





Order codes



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