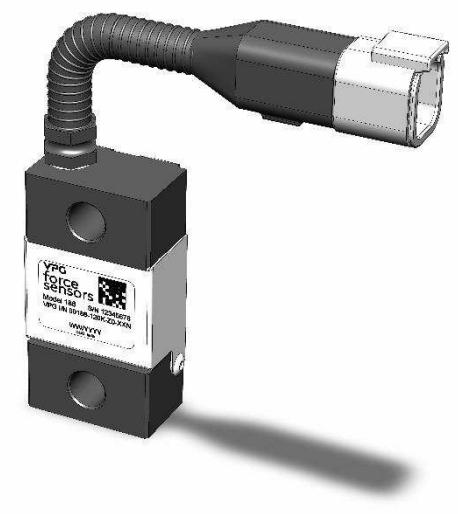
Extensometer

FEATURES

- Strain gage-based sensor, redundant option available
- EDOC Coated alloy steel construction
- 2 bolt holes, M10 12.9 required
- 15,000 PLd capable



APPLICATIONS

- Off-highway vehicles, agricultural equipment
- Construction equipment
- Lifting machines
- Telescopic loaders

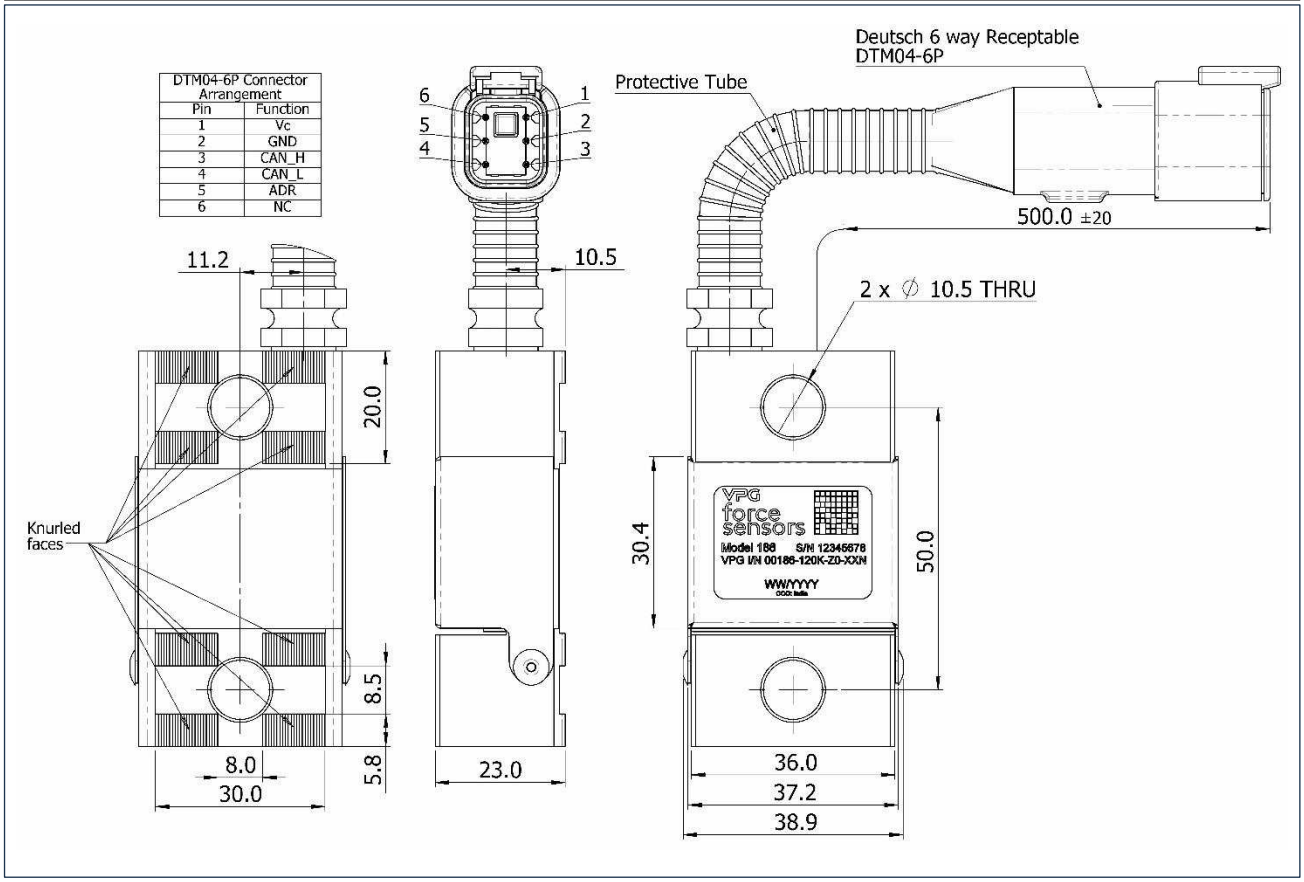
DESCRIPTION

The Model 186 Extensometer is a sensor-based instrument that is designed to measure the deformation of a load-bearing specimen.

Model 186 features an increased output signal level compared to M182 while maintaining the robust construction for demanding environments. This extensometer can be mounted on any machinery or vehicle. Applications include: telescopic loaders, scissor lifts, boom lifts, forklifts and other load lifting machinery. The device is an ideal choice for industrial vehicle applications, especially where safety is a critical factor in preventing loss of life.

Flexibility is also a unique feature that the Model 186 offers. This device is available with several output signals (mV/V, CAN Open, J1939…) and range of different connectors (DTM, DT, M12…) Model 186 extensometer is an excellent solution for load lifting safety concerns.

OUTLINE DIMENSIONS



VPG force sensors
Celtron • Revere • Sensortronics • Tedea-Huntleigh

Extensometer

SPECIFICATIONS		
PARAMETER	VALUE	UNIT
VPG Transducers accuracy class	Z	
Eq. rated capacity – RC*	120	kg
Eq. rated output – RO*	2.6–3.4	mV/V
Zero balance	0.2	±mV/V
Temperature effect on zero	0.00026	mV/V/℃
	0.02	±% of R.O./℃
Temperature range, compensated	–20 to +60	℃
Temperature range, safe	–30 to +70	℃
Temperature range, storage	–30 to +80	℃
Cable type	CAN ready, PU jacket, grounded shield	
Cable length	0.2, 0.5, 1.0	m
Construction	EDOC coated steel sensor, stainless steel electronics housing, RTV potting	
Environmental protection	IP67	

* When sensing 500 με

All specifications are subject to change without notice.

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