Extensometer

FEATURES

- Strain gage based sensor
- Alloy steel construction
- 2 bolt holes
- IP67 Hermetically sealed protection
- **Optional**
  - ❍ Redundant sensor (model 176)
  - ❍ Digital output (LIN-Bus)

APPLICATIONS

- Lifting machines
- Telescopic loaders

DESCRIPTION

The 174 extensometer is a sensor used for safety applications in lifting devices.

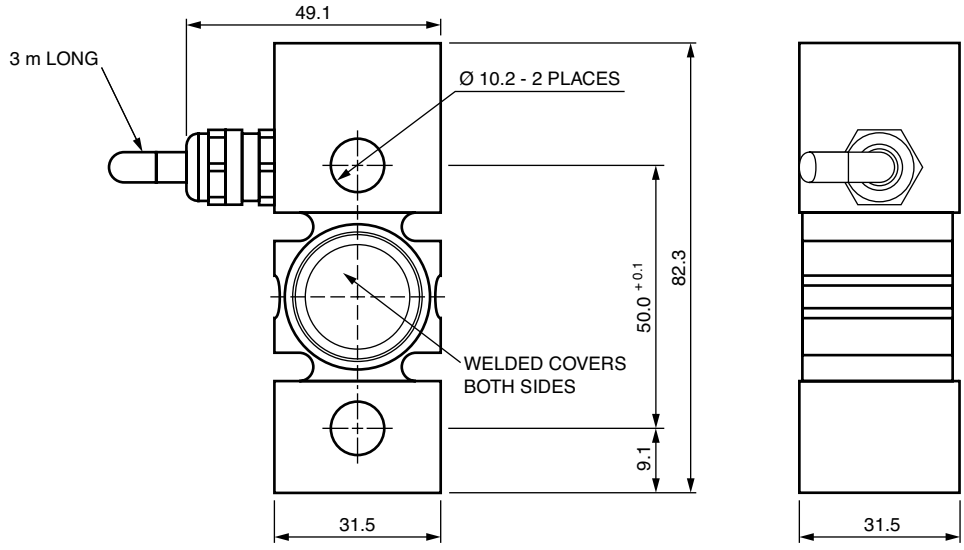
This product is used widely in many lifting machines, telescopic loaders and any other moment sensitive lifting device.

The 174 extensometer is a strain gage based sensor which can be supplied with analog or digital output.

The digital version is supplied widely as a set together with the Model LMI524 Display.

The 174 extensometer is usually installed on the rear side of the device and it measures the load decrease on the rear shaft.

OUTLINE DIMENSIONS in millimeters



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SPECIFICATIONS		
PARAMETER	**VALUE**	**UNIT**
Calibrated output	1.00	mV/V at 500 με
Overload capability (zero)	300	% of rated output
Overload capability (max)	500	% of rated output
Input resistance	385±5	Ω
Output resistance	350±5	Ω
Insulation resistance	>2000	M Ω
Excitation, recommended	10	VDC
Excitations, range	5–20	VDC
Thermal effect on zero	0.025	±% of FSO/°C
Compensated temperature range	–30 to +80	°C
Construction	Painted steel	
Environmental protection	IP67	

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