

## 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.

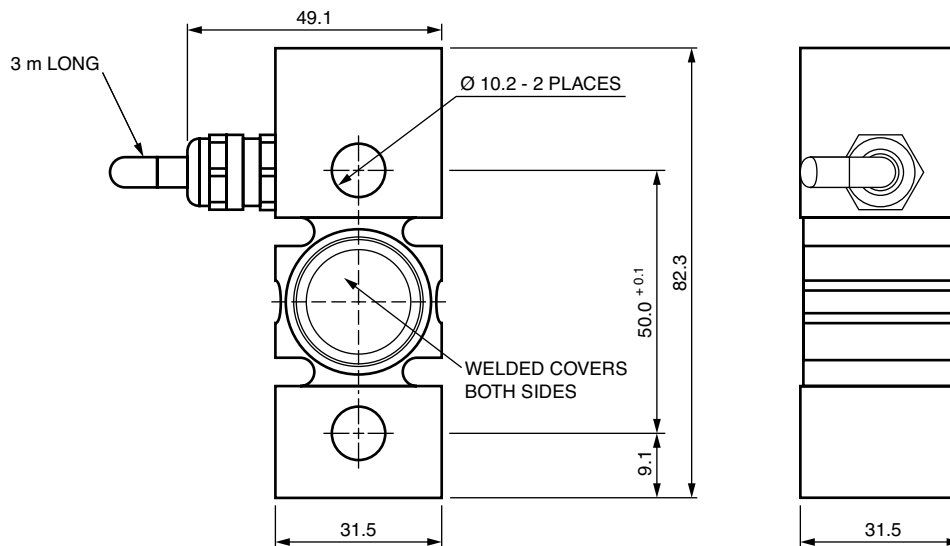
The 174 extensometer is a strain gage based sensor which can be supplied with analog or digital output.



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



## Extensometer

<b>SPECIFICATIONS</b>		
<b>PARAMETER</b>	<b>VALUE</b>	<b>UNIT</b>
Calibrated output	1.00	mV/V at 500 $\mu\epsilon$
Overload capability (zero)	300	% of rated output
Overload capability (max)	500	% of rated output
Input resistance	385 $\pm$ 5	$\Omega$
Output resistance	350 $\pm$ 5	$\Omega$
Insulation resistance	>2000	M $\Omega$
Excitation, recommended	10	VDC
Excitations, range	5–20	VDC
Thermal effect on zero	0.025	$\pm$ % of FSO/ $^{\circ}$ C
Compensated temperature range	–30 to +80	$^{\circ}$ C
Construction	Painted steel	
Environmental protection	IP67	

All specifications subject to change without notice.

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