

## FLUID DAMPED LOAD CELL ASSEMBLY FOR DYNAMIC WEIGHING APPLICATIONS

*capacities 5kg - 35kg*



The ideal solution for dynamic weighing applications, with an excellent combination of cost and quality.

The T16 load cell specifically designed as a reliable, simple, cost-effective solution for dynamic weighing requirements, allowing shorter setting times and faster weighing speeds (compared with an analogue load cell without fluid damping). It has approval to OIML R60 C4 from 10kg capacity and above (C3 at 5kg capacity) making the T16 an excellent choice for 'weights and measures' approved, legal-for-trade machinery such as checkweighers, filling machines, sorting machines and FFS (form, fill, seal) machines.

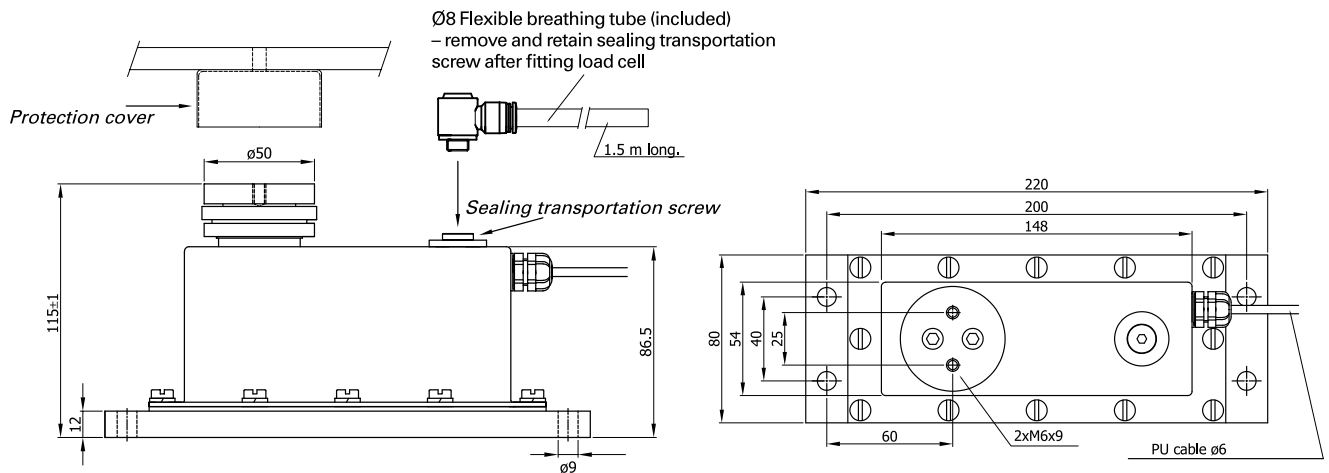
An ingress protection rating of IP68 is available when using the supplied venting kit and the sensitive weighing head is well protected by a stainless steel cover, making this a dependable 'fit and forget' load cell.

The T16 is suitable for weighing platforms up to 500mm x 500mm in size.

- OIML R60 C4 approval from 10kg capacity
- Grade 316 stainless steel housing
- Integrated on-centre overload protection with dual mechanical stop to protect against upward and downward forces
- Fluid damped for use in applications with higher speeds
- Durable and chemical resistant Polyurethane cable
- 2 Year Warranty
- Internal single point load cell allows for off-centre loading
- IP68 protection when using the supplied venting kit

# T16

## technical specification...



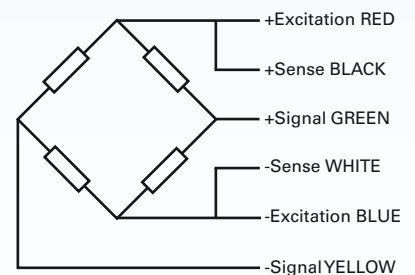
All dimensions in mm.

### T16 Load Cell

	Load cell specification		Units
Load Cell Capacities ( $E_{max}$ )	5, 7.5	10, 15, 20, 30*, 35	kg
Rated Output ( $S_n$ )	$2.0 \pm 10\%$		mV/V
Accuracy Class	2400	4000	n. OIML
Combined Error	$< \pm 0.013$		% $S_n$
Non-Repeatability	$< \pm 0.01$		% $S_n$
Creep (30 minutes)	$< \pm 0.012$		% $S_n$
Minimum Load Cell Verification Interval ( $V_{min}$ ) = $E_{max}/Y$	$E_{max} / 8300$	$E_{max} / 15000$	kg
Temperature Effect on Zero Balance	$< \pm 0.002$		% $S_n / ^\circ C$
Temperature Effect on Span	$< \pm 0.0012$		% $S_n / ^\circ C$
Compensated Temperature Range	0 to +50		$^\circ C$
Operating Temperature Range	-20 to +70		$^\circ C$
Safe Overload	120		% $E_{max}$
Ultimate Overload	150		% $E_{max}$
Zero Balance	$\pm 2\%$		% $S_n$
Input Resistance	$400 \pm 20$		$\Omega$
Output Resistance	$350 \pm 3$		$\Omega$
Insulation Resistance	$> 5000$		M $\Omega$
Recommended Supply Voltage	5- 15		V
Maximum Supply Voltage	15		V
Environmental Protection	IP66 (IP68 with venting kit fitted)		
Maximum Deflection at $E_{max}$	0.3- 0.5		mm
Cable Length	5		m
Cable Type	Polyurethane		
Venting Tube Length	1.5		m
Nominal Shipping Weight	4		kg

\* 30kg capacity is manufactured to order on special request.

DISTRIBUTED BY:



### Electrical Connections

Via 6 wire, 5.7mm diameter, screened Polyurethane cable  
Screen not connected electrically to load cell.

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Our policy is one of continuous product enhancement. We therefore reserve the right to incorporate technical modifications without prior notification.

