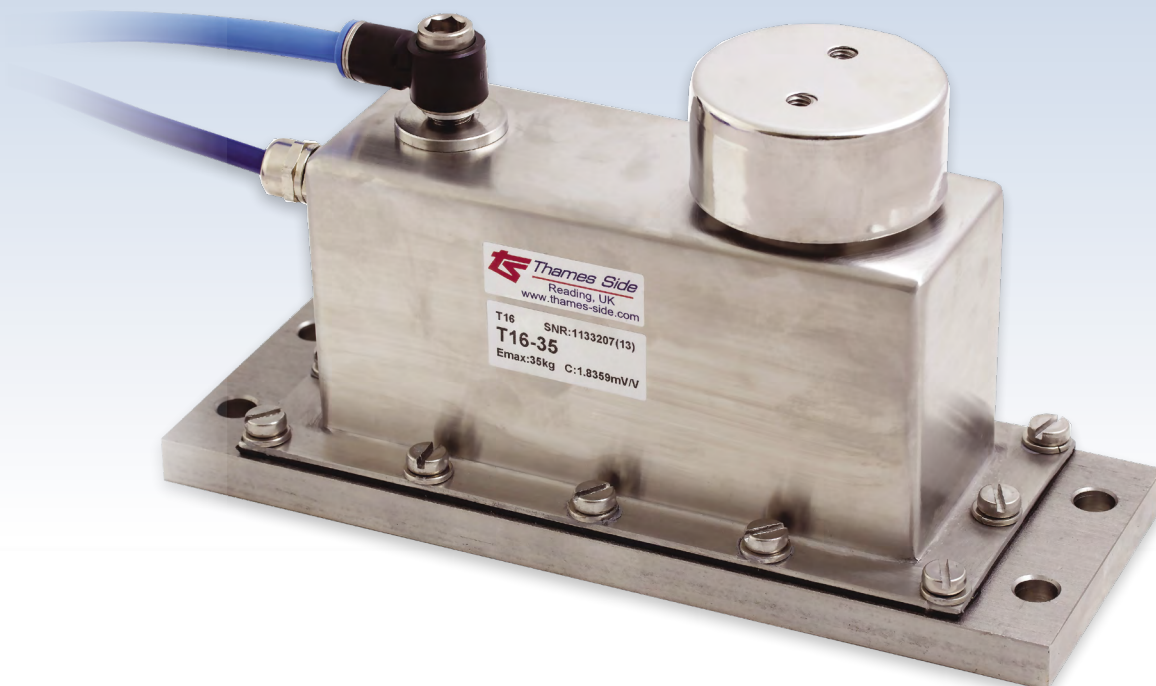


VISCOUS DAMPED LOAD CELL ASSEMBLY FOR DYNAMIC WEIGHING APPLICATIONS

capacities 5kg - 35kg



High speed (dynamic) process weighing problems solved simply and cost effectively.

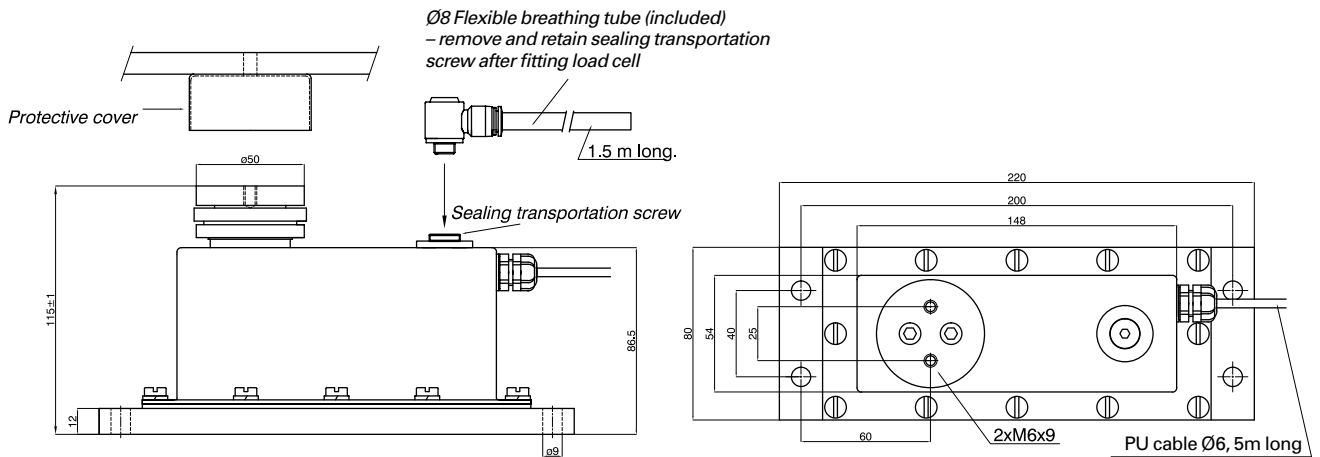
The T16 load cell is specifically designed as a reliable, simple, low cost solution for dynamic weighing allowing faster setting time, greater weighing speeds and increased load cell life (compared with an undamped load cell). For wash down applications a special venting kit, supplied with the unit, can be fitted which ensures IP68 protection levels. A stainless steel cover is also fitted to protect the weighing head.

It's particularly suited to high-speed check-weighing applications and form, fill, seal (FFS) machines, while it's suitable for weighing platforms up to 500 x 500mm in size.

- Double bending beam single point load cell inside
- Grade 316 stainless steel housing
- Viscous damping especially for use in dynamic applications
- IP68 protection when using supplied venting kit
- 4000 divisions OIML R60 class C accuracy
- Integral single point load cell allows off-centre loading
- Integrated on-centre overload protection, with a dual stop for upwards and downwards protection
- 2 year warranty
- Durable and chemical resistant Polyurethane cable

T16

technical specification...



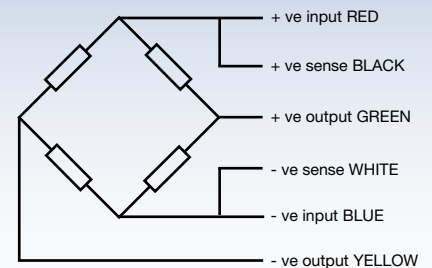
All dimensions in mm.

T16 Load Cell

| | Load cell specification | Units |
|---------------------------------|-------------------------------------|---------|
| Load Cell Capacities | 5, 7.5, 10, 15, 20, 30 **, 35 | kg |
| Full Load Output | 2.0 ± 10 % | mV/V |
| Excitation Recommended | 10 | V |
| Excitation Maximum | 15 | V |
| Safe Service Load | 120 | %* |
| Ultimate Load | 150 | %* |
| Minimum Dead Load | 0 | %* |
| Accuracy Class | 4000 | n.OIML |
| Combined Error | < ± 0.013 | %* |
| Repeatability | < ± 0.01 | %* |
| Creep error (30 minutes) | < ± 0.012 | %* |
| Output at Zero Load | ± 2.0 | %* |
| Input Resistance | 400 ± 20 | Ω |
| Output Resistance | 350 ± 3 | Ω |
| Operational Temperature Range | -20 to +70 | °C |
| Compensated Temperature Range | 0 to +50 | °C |
| Temperature Coefficient on Zero | < ± 0.002 | %* / °C |
| Temperature Coefficient on Span | < ± 0.0012 | %* / °C |
| Environmental Protection | IP66 (IP68 with venting kit fitted) | |
| Insulation | > 5000 | MΩ |
| Cable Length | 5 | m |
| Cable Material | Polyurethane | |
| Venting Tube Length | 1.5 | m |
| Nominal Shipping Weight | 4 | kg |

* All percentages are related to Full Rated Load

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



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.