

# T66

## Cantilever beam load cell for harsh industrial environments

*capacities 10kg to 300kg*



**Stainless steel load sensor**

**3000 divisions OIML R60 Class C**

**Hermetically sealed,  
fully welded construction**

**5 year warranty**

**Ease of installation**

**High integrity cable entry**

**Sealed to IP68**

**available in  and high temperature versions**

This fully welded stainless steel load cell is hermetically sealed to IP68 and can be used in the harshest industrial environments. It is suitable for weighing platforms, bag fillers, belt weighers and tank weighing in the Food Processing, Chemical, Pharmaceutical and general Bulk Handling industries.

T66 load cells are available with intrinsically safe certification ATEX EEx ia IIC T6 for both Dust and Gas in all zones. ATEX certification for use in dust zones 20, 21 and 22 without safety barriers is also available. For applications in aggressive environments where stress corrosion or acid attack is an issue, a special parylene coating can be specified as an option. High temperature variants for operation in environments up to 150°C are also available.

# technical specification sheet

## T66

|                                    | Load Cell Capacities                | Units     |
|------------------------------------|-------------------------------------|-----------|
|                                    | 10, 20, 50, 100, 150, 200, 250, 300 | kg        |
| Rated Output                       | 2                                   | mV/V±0.1% |
| Accuracy Class                     | 3000                                | n.OIML    |
| Combined Error                     | <±0.017                             | %*        |
| Non-repeatability                  | <±0.015                             | %*        |
| Creep (30 minutes)                 | <±0.016                             | %*        |
| Temperature Effect on Zero Balance | <±0.002                             | %*/°C     |
| Temperature Effect on Span         | <±0.0012                            | %*/°C     |
| Compensated Temperature Range      | -10 to +40                          | °C        |
| Operating Temperature Range        | -20 to +50                          | °C        |
| Safe Overload                      | 150                                 | %*        |
| Ultimate Overload                  | 200                                 | %*        |
| Zero Balance                       | <±1                                 | %*        |
| Input Resistance                   | 400                                 | Ω ± 20    |
| Output Resistance                  | 350                                 | Ω ± 3     |
| Insulation Resistance              | >5000                               | MΩ @ 100v |
| Recommended Supply Voltage         | 10                                  | V         |
| Maximum Supply Voltage             | 15                                  | V         |

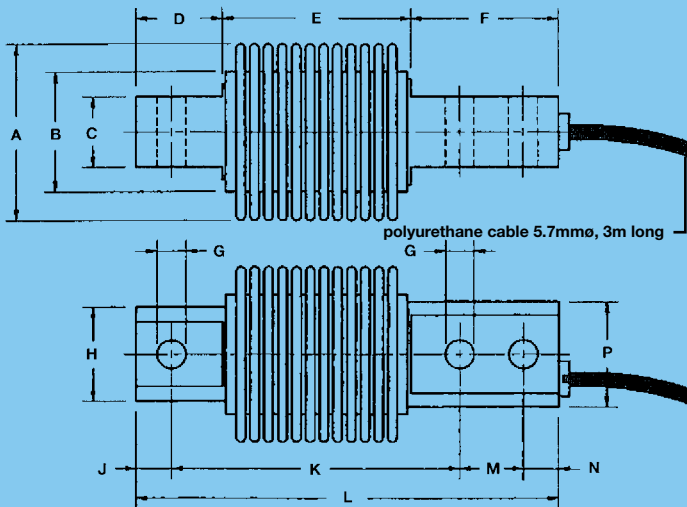
\*With respect to rated output



**LeverMount® Lite**



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



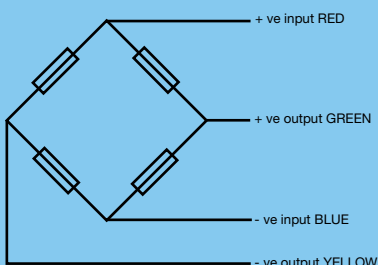
| Range (kg) | øA | øB | C  | D    | E    | F  | øG  | øH | J  | K  | L   | M  | N  | øP |
|------------|----|----|----|------|------|----|-----|----|----|----|-----|----|----|----|
| 10 - 300   | 42 | 34 | 20 | 24.5 | 53.5 | 42 | 8.2 | 27 | 10 | 82 | 120 | 18 | 10 | 30 |

All dimensions in mm.

### Electrical Connections

Via 4 core, 3m, 5.7mm dia., screened polyurethane cable

Screen not connected electrically to load cell.



**Nominal shipping weight = 1kg**

### Construction

Load cell manufactured from 17-4PH stainless steel heat treated to H900 condition -1379N/mm<sup>2</sup> UTS.

### Options

Anti Vibration Loading Assembly  
LeverMount® Lite Loading Assembly  
Tension accessories

Distributed by



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