



# ANTI-VIBRATION MOUNTS FOR HARSH INDUSTRIAL ENVIRONMENTS

capacities 5kg - 300kg



Ideal for applications with mixing, agitation and vibration, this stainless steel assembly is designed to reduce the vibration transmitted to the load cell. It is typically used in weighing platforms, big bag (FIBC) filling systems, belt weighers and hopper/tank weighing in the Food Processing, Chemical, Pharmaceutical and Bulk Handling industries.

The stainless steel, OIML C3 or C6 approved, model T66 load cell used in this anti-vibration weighing assembly is fully welded and hermetically sealed for protection to IP68 and IP69K, allowing it to be used in extremely harsh environments with exceptional accuracy. The assembly consists of a load cell, mounting hardware, baseplate and spacer (all stainless steel) with an elastomeric anti-vibration pad.

ATEX certification, for both gas and dust zones, is available for the T66 load cell. To reduce costs, certification for use in dust zones 20, 21 and 22 without safety barriers is available.

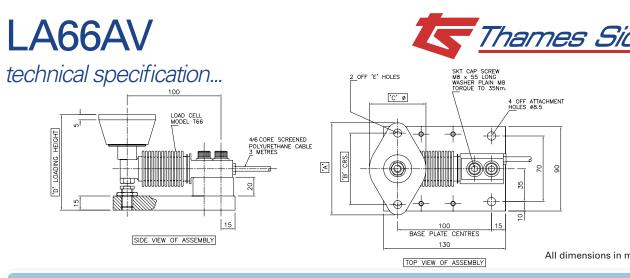
For applications in aggressive environments where stress corrosion or acid attack is an issue, a special Parylene coating for the load cell can be specified as an option. Other options are custom load cell cable lengths for volume OEM customers and a version for high temperature use.

- Stainless steel load sensor & mounting accessory
- Hermetically sealed, fully welded construction
- Simple, fast installation
- Sealed to IP68 / IP69K
- **3000** divisions OIML R60 Class C (C3)

- 5 year warranty
- High Integrity cable entry
- 6 wire (with sense wires) option
- High durability Polyurethane load cell cable
- Options of (Ex) approval, OIML C6 approval, Parylene coating or High Temperature use



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Load cell specification

0 to +50

-30 to +70

200

300

< ± 2

400

350

> 5000

5-15

15

IP68 / IP69K

0.2-0.4

3

Polyurethane

45

6000

50, 75, 100, 150,

200, 250

< ± 0.008

< + 0.01

Emay / 18000

< ± 0.008

 $< \pm 0.001$ 

 $< \pm 0.0006$ 

## **T66 Load Cell ATEX Certification**

T66 Load Cell

Load Cell Capacity (E<sub>max</sub>)

Minimum load cell verification

**Temperature Effect on Span** 

**Operating Temperature Range** 

**Recommended Supply Voltage** 

Maximum Supply Voltage

**Environmental Protection** 

Nominal Shipping Weight (load cell and LA66AV)

Maximum deflection at E<sub>max</sub>

**Temperature Effect on Zero Balance** 

**Compensated Temperature Range** 

Accuracy Class

Rated Output (S<sub>n</sub>)

Non-repeatability

interval ( $v_{min}$ ) =  $E_{max}$  / Y Creep (30 minutes)

**Combined Error** 

Safe Overload Ultimate Overload

Zero Balance

**Cable Length** 

**Cable Material** 

Input Resistance

**Output Resistance** 

Insulation Resistance

	Code	Temperature Class	Parameters	Application
II 1 GD		T4	Pi = 2.50W	Gas Zones 0, 1, 2 with safety barriers Dust Zones 20, 21, 22 without safety barriers
	Ex ia II CT4T6 Ga IP68T85°C Ex ia IIICT135°CT85°C Da Ex ta IIICT85°C Da	T5	Pi = 2.50W	
		T6	Pi = 1.69W	

3000\*

5, 10, 20, 30, 50,

75, 100, 150, 200, 250, 300

< ± 0.017

< ± 0.015

E<sub>max</sub> / 10000

< ± 0.016

 $< \pm 0.002$ 

< ± 0.0012

#### Dimensions

Units

n. OIML

kg

mV/V ± 0.1 %\*

% S.

% S.

kg

% S<sub>n</sub>

% S<sub>n</sub>/°C

% S<sub>n</sub>/°C

°C °C.

% E<sub>max</sub>

% E<sub>max</sub>

% S.

 $\Omega \pm 20$ 

 $\Omega \pm 3$ 

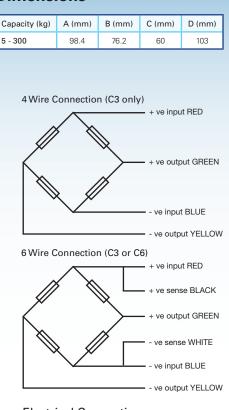
MΩ @ 100V

V

mm

m

kg



4 OFF ATTACHMENT HOLES Ø8.5

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15

6 2

All dimensions in mm

#### **Electrical Connections**

Via 4 or 6 wire, 5.7mm diameter, screened Polyurethane cable. OIML C6 version only available with 6 wire cable. Screen not connected electrically to load cell.

#### Construction

T66 load cell: stainless steel Baseplate and mounting hardware: stainless steel

OIML C3 (3000 division) approval from 10-300kg

\*\* For 5-20kg capacity range, rated output (Sn) tolerance is  $\pm$  0.2 %



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



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