



# ***WEIGH MODULE MBS, 5-10t***

## **HIGH CAPACITY COMPRESSION LOADCELL UNIT**

**Heavy duty industrial design**

**Silos, Vessels and Container weighing**

**Ready-to-use module**

**5 Year Guarantee**

**CENELEC Approval to EEx ia IIC T4**

**Stainless Steel**

**Sealed to IP 67**




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### **CAPACITIES**

MODEL: <b>MBS5</b>	<b>MBS10</b>
5000 kg	10000 kg

The Stainless Steel Weigh module type MBS5 and MBS10 is designed for compression loads from 5000kg to 10000kg rated load.

The Module consists of a M-series loadcell with mounted spherical adapter plates to form a compact assembly which permits angular movability at both upper and lower ends.

The end top plates allow free motion in any direction in the horizontal plane between the load carrier and the load cell.

The load cell features a highly resistable cable conduit for industrial protection requirements of the load cell cable.

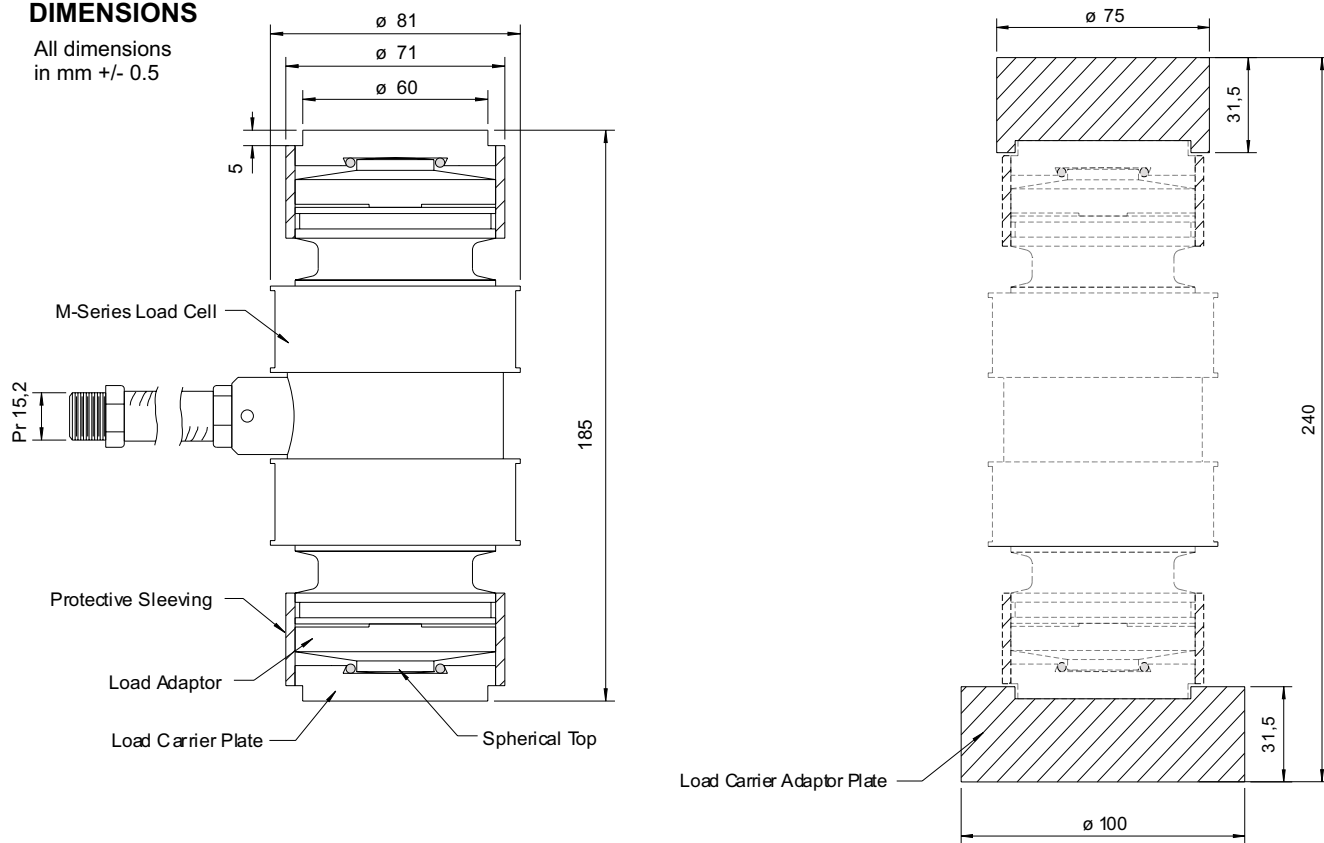
For hazardous environments, this load cell can be obtained in a EEx ia IIC T4 CENELEC approved version.



SPECIFICATION	VALUE	UNITS
Rated capacities	5000, 10000	Kg
Rated Output	1.0 +/- 0.1%	mV/V
Combined error	0.03	+/-% of Applied Load
Zero Balance	1.0	+/-% of Rated Output
Non-repeatability	0.01	+/-% of Rated Output
Creep (30 minutes)	0.03	+/-% of Applied Load
Temperature Effect on Zero Balance	0.005	+/-% of Rated Load / °C
Temperature Effect on Span	0.004	+/-% of Applied Load / °C
Compensated Temperature Range	-10 to +40	°C
Operating Temperature Range	-20 to +70	°C
Safe Overload	150, 125	% of Rated Capacity
Ultimate Overload	400, 400	% of Rated Capacity
Input Resistance	430 +/- 10	Ohms
Output Resistance	430 +/- 0.4	Ohms
Excitation, Recommended	15	Volts
Excitation, Maximum	21	Volts
Insulation Resistance	>20000	MegaOhms at 500V
Environmental Protection	IP67	
Weight	4.5, (7.2 with LCAP-10 mounted)	Kg
Cable	7 Metre 4 Wire, PVC, Copper Screen (not connected to Load Cell Body)	

## DIMENSIONS

All dimensions in mm +/- 0.5



**MBS10 with LCAP-10\* mounted**

The Weigh Modules are designated;

**MBS5** (5000 kg) and **MBS10** (10000 kg). (-**EEEx** for CENELEC EEx ia IIC T4 approved version )

\*)The Load carrier adaptor plates type LCAP is only used to conform to the B-series Load Cell B..4-10 with mounted Pendulum Adapter and Top Plate in respect to overall height dimensions and diameters. Mainly used for replacement of old B-type loadcells.

The Load Carrier Adapter Plates are designated;

**LCAP-10**

