

MBS 5-10 Load cell

High capacity compression load cell unit

MBS 5-10t load cells are stainless weigh modules. **MBS5** and **MBS10** are designed for compression loads from 5.000 kg to 10.000 kg rated loads.

Construction of a MBS weigh module.

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 is delivered with a highly resistable cable conduit conforming to the industrial production requirements for cables.



Capacities

Model:	MBS5	MBS10
	5000 kg	10.000 kg

MBS load cells:

- Heavy duty industrial design
- For Silo, Vessel, and Container weighing
- ready-to-use
- Stainless steel
- Sealed to IP 67

All S-E-G load cells are:

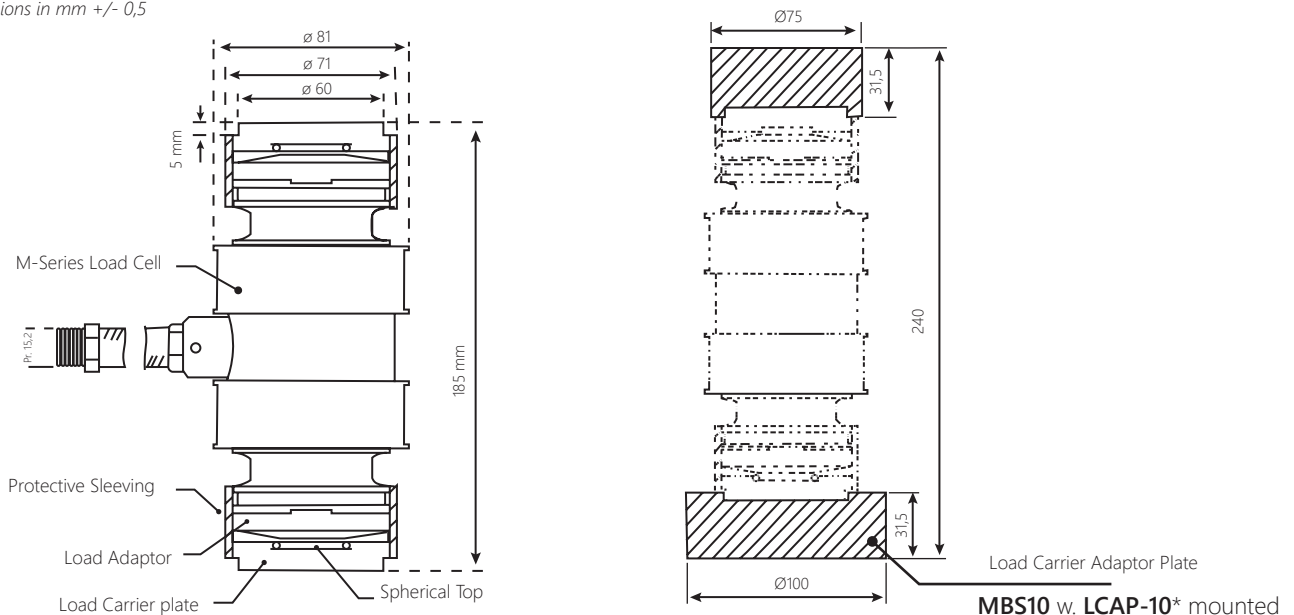
- Made in Sweden
- High Quality and have a long life span
- With a 5 year warranty

Technical data and accessories

Specifications	Value	Units
Rated capacities	5000, 1000	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 min.)	0,03	+/- % of applied load
Temperature effect on Zero balance	0,005	+/- % of applied 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	Volt
Excitation, maximum	21	Volt
Insulation Resistance	>20.000	MegaOhms at 500V
Environmental protection	IP67	
Weight	4,5 (7,2 w. LCAP-10 mounted)	Kg
Cable	7 m 4 wire, PVC, Coper Screen (not connected to Load cell body)	

Dimensions

All dimensions in mm +/- 0,5



Designations

MBS5 (5000kg) and MBS10 (10.000kg)

*)The Load carrier adaptor plates type LCAP is only used to conform to the B-series Load Cell B...4-10 with mounted Pendelum 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