Eilersen
The Weighing Experts

Digital Compression Load Cell – Type MD

CE

0-5.000kg

Special Features

- Robust capacitive technology
- Stainless steel
- High tolerance of up to 500% overload
- High accuracy
- Hermetically sealed to IP68
- Laser welded
- Hygienic design and installation
- Withstands welding voltages and ESD
- Cable length up to 100meters
- Load cell cable replaceable
- Calibration independent of cable length
- Easy mechanical and electrical installation

Applications

- Tank weighing
- Process weighing
- Big-bag equipment
- Filling and dosing
- Offshore
- Level measurement
- Platform scales
- Hopper scales
- Heavy duty applications
- Belt scales

Order information

MD 2.000 0.025%

Type
Capacity
Accuracy

Options

- Base plate available
- Load cell cable length 10, 20, 50 or 100meters

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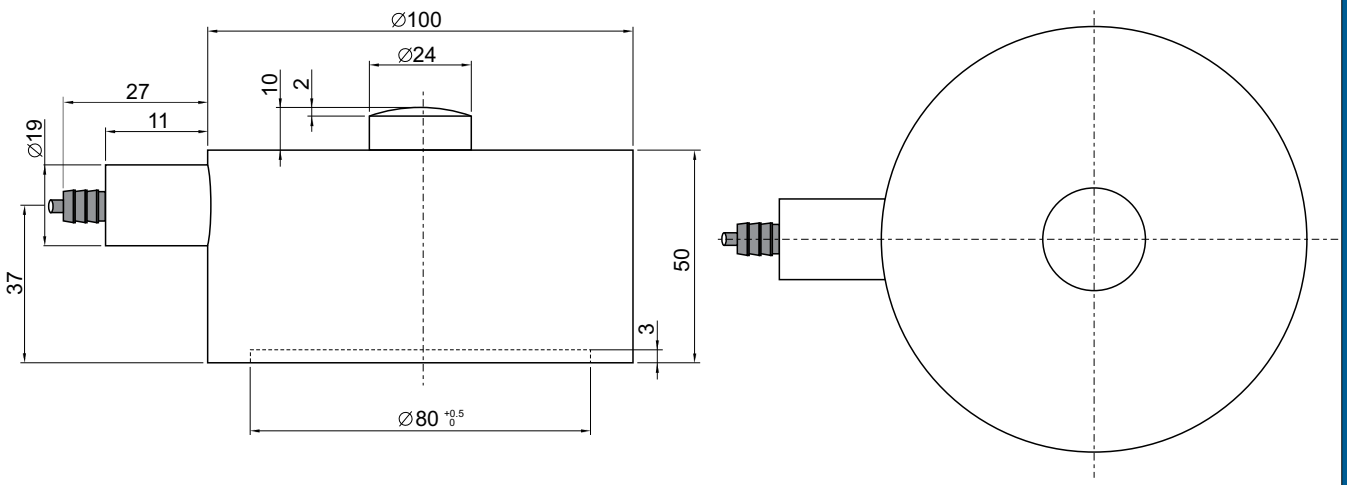
Dimensions (mm)



Parameter	Unit	0.10%	0.05%	0.025%
Rated capacity (Emax)	kg	50, 100, 150, 250, 500, 1.000 1.500, 2.000, 3.000, 4.000, 5.000		
Safe overload limit	% of Emax	200 to 500		
Safe sideload limit	% of Emax	300 to 1.000		
Minimum dead load	% of Emax	0		
Accuracy	% of Emax	0.100	0.050	0.025
Repeatability	% of Emax	0.030	0.020	0.012
Hysteresis	% of Emax	0.055	0.040	0.020
Creep 30 min.	% of Emax	0.060	0.040	0.025
Temperature effect on zero	% /10°C	0.060	0.045	0.030
Temperature effect on sensitivity	% /10°C	0.060	0.045	0.030
Compensated temperature range	°C	-10 to 50		
Operating temperature range	°C	-50 to 70 (100*)		
Deflection at Emax	mm	Max 0.10		
Measuring rate	Hz	200		
Supply	Vdc	24Vdc ±10%		
Internal resolution	Bit	24		
Material		Stainless Steel 17-4 PH and AISI 316		
Protection		IP68		
Cable		6meter standard coaxial RG-58 (Ø6mm) with BNC connector		
Maximum cable length	m	100		
Weight	kg	2.1		
Output options		Profibus DP, DeviceNet, Modbus ASCII/RTU, EtherCAT EtherNet/IP, RS232, RS485/422, 4-20mA, 0-10Vdc		

* with Teflon cable

** higher accuracies available on request