



Short Description



- Nickel plated alloy steel IP68 compression load cell
- Hermetically sealed
- Equipped with anti-rotation tabs
- High accuracy
- Surge Protection optional
- Suitable for special measuring equipment with high capacity

Non-OIML Approved

Available Models

Capacity	Accuracy	Full Article Description
200t	D0.2	HM2D6-D0.2-200t-2B
400t	D0.1	HM2D6-D0.1-400t-2B

Technical Specifications HM2D6

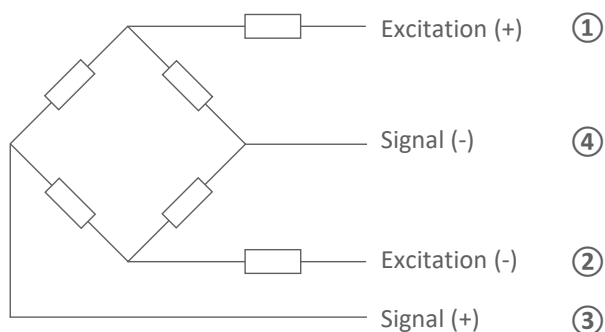
Accuracy Class		D0.2	D0.1
Output Sensitivity (= FS)	mV/V	2.0 ± 0.02	
Maximum Capacity (E_{max})	t	200	400
Combined Error	%FS	$\leq \pm 0.5$	$\leq \pm 1.0$
Non-Linearity	%FS	$\leq \pm 0.5$	$\leq \pm 1.0$
Repeatability	%FS	$\leq \pm 0.5$	$\leq \pm 1.0$
Hysteresis	%FS	$\leq \pm 0.5$	$\leq \pm 1.0$
Creep Error (30 minutes)	%FS	$\leq \pm 0.4$	$\leq \pm 0.75$
Temperature Effect on Zero (ZTC)	%FS/10°C	$\leq \pm 0.14$	
Temperature Effect on Sensitivity (STC)	%FS/10°C	$\leq \pm 0.3$	$\leq \pm 0.5$
Zero Balance	mV/V	± 0.03	
Safe Overload	%FS	120	
Ultimate Overload	%FS	150	
Excitation, Recommended Voltage	V _{DC}	5 ~ 12	
Excitation, Maximum Voltage	V _{DC}	18	
Input Resistance	Ω	1400 ± 50	
Output Resistance	Ω	1400 ± 5	
Insulation Resistance (50V _{DC})	M Ω	≥ 5000	
Compensated Temperature	°C	-10 ~ + 40	
Operating Temperature	°C	-35 ~ + 70	
Storage Temperature	°C	-40 ~ + 70	
Load Cell Weight	kg	200t: 48.3	400t: 90.6
Element Material		Nickel Plated Alloy Steel	
Ingress Protection (acc. to EN 60529)		IP68	

Wiring

Features:

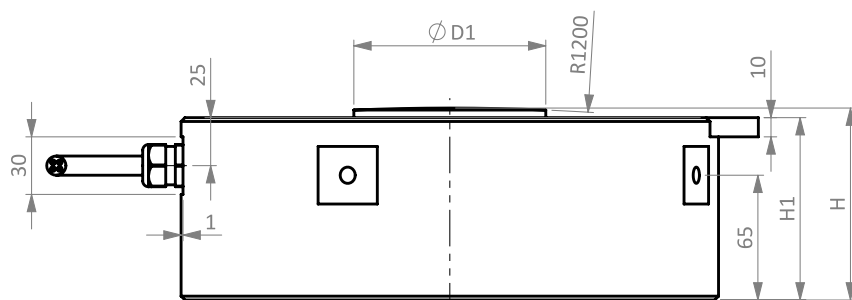
Cable type: 4 Conductor cable, conductor AWG 14
 Cable diameter: $\varnothing$ 10mm
 Cable length: 2.0m $\pm$ 0.1m
 Cable jacket: Polyolefin (orange)

4-Wire Connection Diagram



Specifications and dimensions are subject to change without notice and do not constitute any liability whatsoever.

Front View



Technical drawing of the top view of the sensor assembly. The drawing shows a circular cover plate with a central hole of diameter $\varnothing D$. The cover plate is welded and has four anti-rotation plates. The distance between the anti-rotation plates is 60 mm, and the distance from the center to the plates is 25 mm. The anti-rotation plates are 5 mm thick. The cover plate has a thickness of 23-25 mm. The sensor cable is connected to the center of the cover plate. The cable has a length of 4x M10 EQS. The angle between the anti-rotation plates is 22.5°.

Dimension Capacity	ØD	ØD1	H	H1
200t	280	100	100	95
400t	350	120	120	115

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