



Short Description



- Nickel plated alloy steel IP67 compression load cell
- High accuracy
- Suitable for special measuring equipment

Non-OIML Approved

Available Models

Capacity	Accuracy	Full Article Description
1MN	G2/G3/G5/G10	H2A-G2/G3/G5/G10-1MN-5T
2MN	G2/G3/G5/G10	H2A-G2/G3/G5/G10-2MN-5T
3MN	G2/G3/G5/G10	H2A-G2/G3/G5/G10-3MN-5T
4MN	G2/G3/G5/G10	H2A-G2/G3/G5/G10-4MN-5T
5MN	G2/G3/G5/G10	H2A-G2/G3/G5/G10-5MN-5T

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

Technical Specifications H2A

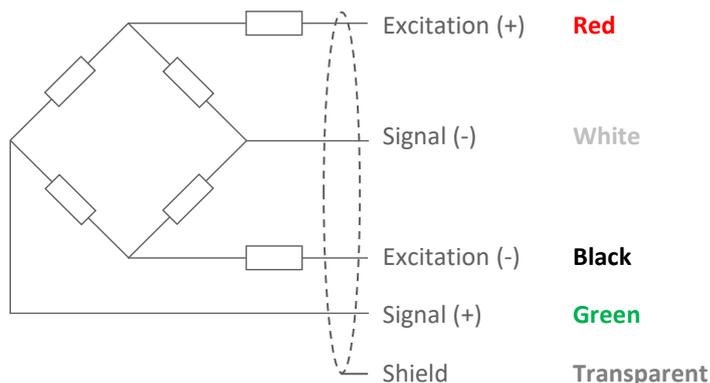
Accuracy Class		G2	G3	G5	G10	
Output Sensitivity (= FS)	mV/V	≥ 2.0				
Maximum Capacity (E _{max})	MN	1, 2, 3, 4, 5				
Ratio of min. LC Verification Interval	$Y = E_{max} / V_{min}$	1500				
Combined Error	%FS	≤± 0.2	≤± 0.3	≤± 0.5	≤± 1.0	
Creep Error (30 minutes)	%FS	≤± 0.05				
Temperature Effect on Zero (ZTC)	%FS/10°C	≤± 0.2				
Temperature Effect on Sensitivity (STC)	%FS/10°C	≤± 0.2				
Zero Balance	%FS	≤± 1.0				
Safe Overload	%FS	150				
Ultimate Overload	%FS	300				
Excitation, Recommended Voltage	V	5 ~ 12				
Excitation, Maximum Voltage	V	18				
Input Resistance	Ω	1072 ± 5				
Output Resistance	Ω	1050 ± 5				
Insulation Resistance (50V)	MΩ	≥5000				
Compensated Temperature	°C	-10 ~ + 40				
Operating Temperature	°C	-35 ~ + 65				
Storage Temperature	°C	-40 ~ + 70				
Load Cell Weight	kg	1MN: 26	2MN: 46	3MN: 72	4MN: 116	5MN: 125
Element Material		Nickel Plated Alloy Steel				
Ingress Protection (acc. to EN 60529)		IP67				
Recommended Torque on Fixation Bolts	Nm	M16: 200				

Wiring

Features:

Cable type: Shielded, 4 conductor cable , conductor AWG 24
 Cable diameter: Ø 5.0mm
 Cable length: 5m
 Cable jacket: Crosslinked Polyethylene
 Shield not connected to element

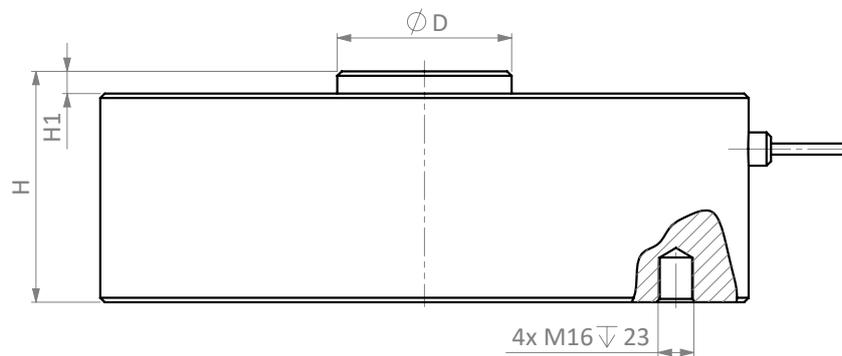
4-Wire Connection Diagram



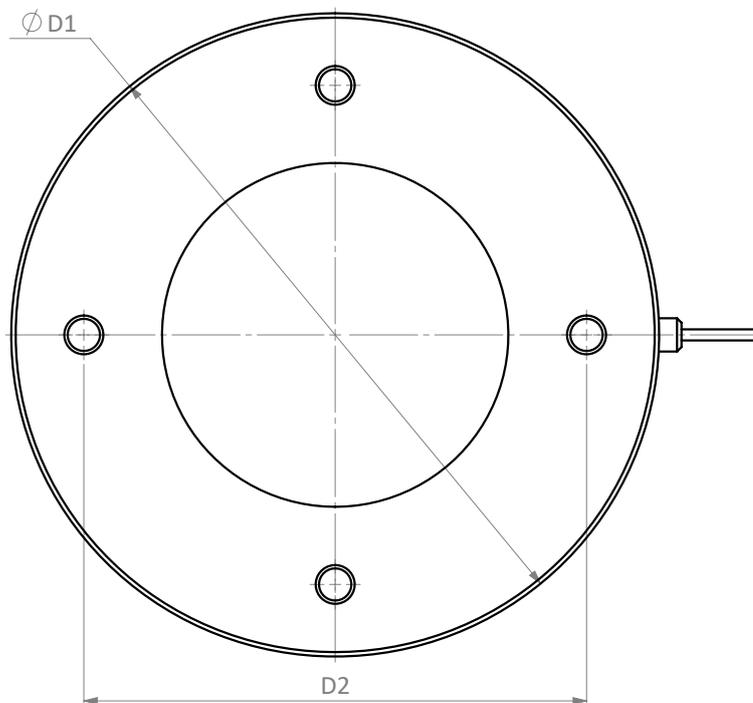
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Dimensions in mm

Front View



Bottom View



Dimension Capacity	D	D1	D2	H	H1
1MN	59	260	200	80	10
2MN	78	290	225	104	10
3MN	91	330	251	123	10
4MN	110	400	296	132	10
5MN	133	400	307	132	10