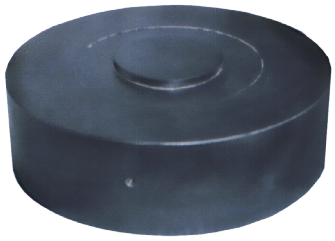
H2A

- Alloy steel IP67 compression load cell
- High accuracy
- Suitable for special measuring equipment



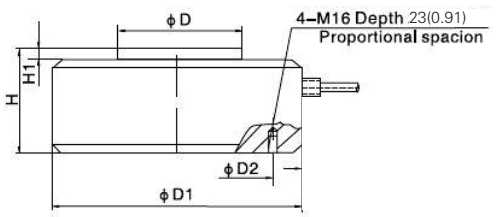
Available models

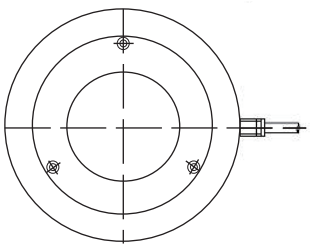
Capacity	Accuracy	Full article description
1 MN	G2/G3/G5/G10	H2A–G2/G3/G5/G10–1MN–5T
2 MN	G2/G3/G5/G10	H2A–G2/G3/G5/G10–2MN–5T
3 MN	G2/G3/G5/G10	H2A–G2/G3/G5/G10–3MN–5T
4 MN	G2/G3/G5/G10	H2A–G2/G3/G5/G10–4MN–5T
5 MN	G2/G3/G5/G10	H2A–G2/G3/G5/G10–5MN–5T

Specification

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 minimum LC verification interval Y = E_{max} / v_{min}		1500			
Combined error	%FS	± 0.2	± 0.3	± 0.5	± 1.0
Minimum dead load	%FS	0			
Safe overload	%FS	150%			
Ultimate overload	%FS	300%			
Zero balance	%FS	± 1.0			
Excitation, recommended voltage voltage	V	5~12(DC)			
Excitation maximum	V	18(DC)			
Input resistance	Ω	1072 ± 5			
Output resistance	Ω	1050 ± 5			
Insulation resistance	MΩ	⩾ 5000(50VDC)			
Compensated temperature	℃	–10 ~ +40			
Operating temperature	℃	–35 ~ +65			
Storage temperature	℃	–40 ~ +70			
Element material		Alloy steel (surface bluing treatment,spray painted)			
Ingress protection (according to EN 60529)		IP67			
Recommended torque on fixation	N.m	M16: 200			

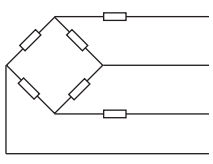
Dimensions in mm





Capacity / Dimension	1	2	3	4	5
D	41 (1.61)	60 (2.36)	73 (2.87)	92 (3.62)	115 (4.53)
D1	260 (10.24)	290 (11.42)	330 (12.99)	400 (15.75)	400 (15.75)
D2	200 (7.87)	225 (8.86)	251 (9.88)	296 (11.65)	307 (12.09)
H	80 (3.15)	104 (4.09)	123 (4.84)	132 (5.20)	132 (5.20)
H1	10 (0.39)	10 (0.39)	10 (0.39)	10 (0.39)	10 (0.39)

Wiring



Input(+) Red
Output(–) White
Input(–) Black
Output(+) Green

- Shielded, 4 conductor cable.
- Cable diameter: Φ5mm
- Standard cable length: 5m
- Shield not connected to element