



Short Description



- Nickel plated alloy steel IP68, “S” type load cell
- Tension and compression applications
- Suitable for hanging, hopper and other weighing devices
- High accuracy



Test certificate no. TC8102 Rev. 0
C of C no R60/2000- NL1-12.13

Available Models

Capacity	Accuracy	Full Article Description
6t	C3	HM3Q-C3-6t-10B
12t	C3	HM3Q-C3-12t-10B
20t	C3	HM3Q-C3-20t-10B
30t	C3	HM3Q-C3-30t-10B

Technical Specifications HM3Q

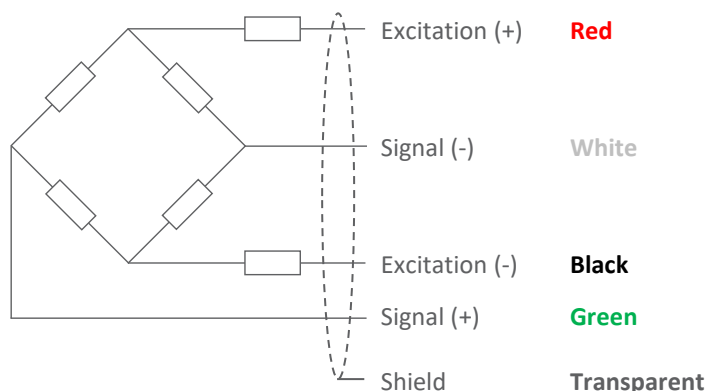
Accuracy Class		OIML R60 C3			
Output Sensitivity (= FS)	mV/V	2.0 ± 0.002			
Maximum Capacity (E _{max})	t	6, 12, 20, 30			
Max. Number of Load Cell Intervals	n _{LC}	3000			
Ratio of min. LC Verification Interval	Y = E _{max} / V _{min}	10000			
Combined Error	%FS	≤± 0.023			
Creep Error (30 minutes)	%FS	≤± 0.016			
Temperature Effect on Zero (ZTC)	%FS/10°C	≤± 0.015			
Temperature Effect on Sensitivity (STC)	%FS/10°C	≤± 0.011			
Zero Balance	%FS	≤± 1.5			
Minimum Dead Load	%FS	0			
Safe Overload	%FS	150			
Ultimate Overload	%FS	300			
Excitation, Recommended Voltage	V _{DC}	5 ~ 12			
Excitation, Maximum Voltage	V _{DC}	18			
Input Resistance	Ω	1000 ± 10			
Output Resistance	Ω	1004 ± 5			
Insulation Resistance (50V _{DC})	MΩ	≥5000			
Compensated Temperature	°C	-10 ~ +40			
Operating Temperature	°C	-35 ~ +65			
Storage Temperature	°C	-40 ~ +70			
Load Cell Weight	kg	6t: 6.4	12t: 7.5	20t: 10.5	30t: 20.9
Element Material		Nickel Plated Alloy Steel			
Ingress Protection (acc. to EN 60529)		IP68			

Wiring

Features:

Cable type: Shielded, 4 conductor cable , conductor AWG 22
 Cable diameter: Ø 5.0mm
 Cable length: 10m ± 0.1m
 Cable jacket: Polyurethane
 Shield not connected to element

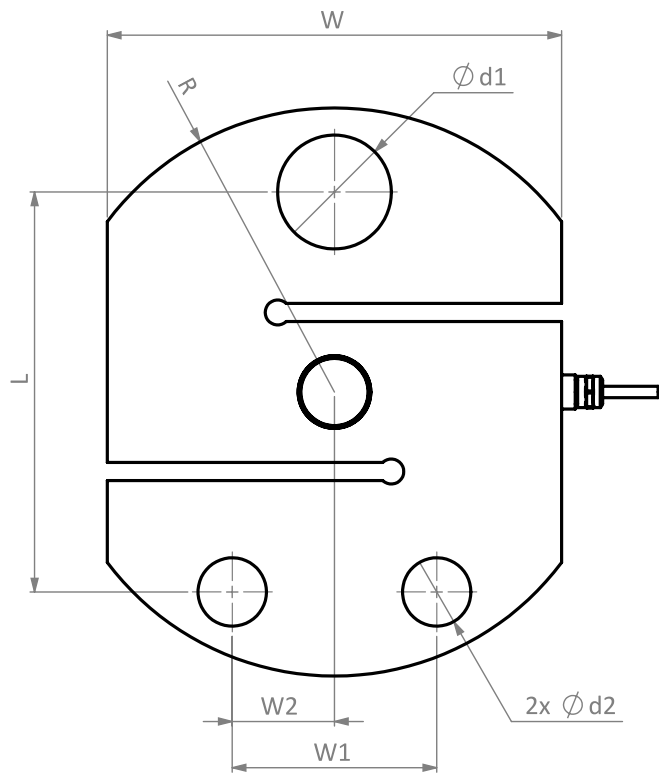
4-Wire Connection Diagram



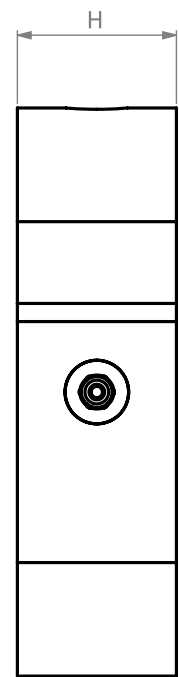
Specifications and dimensions are subject to change without notice and do not constitute any liability whatsoever.

Dimensions in mm

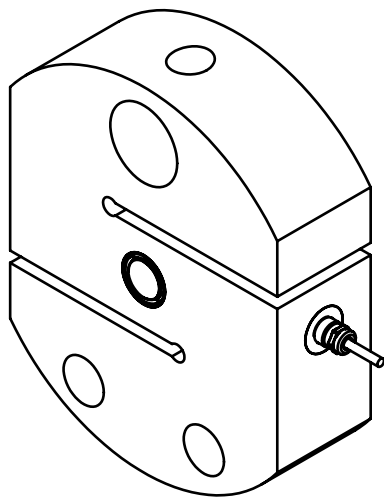
Front View



Side View



Isometric View



Dimension Capacity	W	W1	W2	L	R	H	$\varnothing d1$	$\varnothing d2$
6t	130	55	27.5	110	75	50	22.4	16.2
12t	130	55	27.5	110	75	60	22.4	16.2
20t	150	70	35	125	89	65	38.1	24.5
30t	200	90	45	176	125	70	50.15	30.15