

HM3Q



test certificate no. TC8102 Revision 0
 C of C no R60/2000-NL1-12.13

- Nickel plated alloy steel IP68 “S” type load cell
- High accuracy

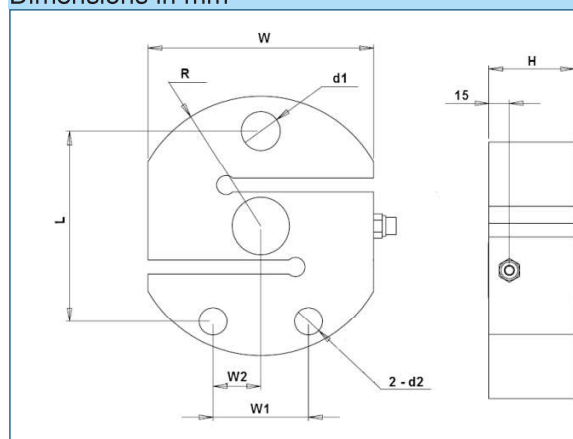
Available models

Capacity	Accuracy	Full article description
6t	C3/C4	HM3Q-C3/C4-6t-10B
12t	C3/C4	HM3Q-C3/C4-12t-10B
20t	C3/C4	HM3Q-C3/C4-20t-10B
30t	C3/C4	HM3Q-C3/C4-30t-10B

Specification

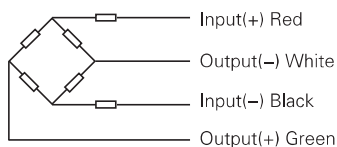
Accuracy class		OIML R60 C3	OIML R60 C4
Output sensitivity (= FS)	mV/V	2.0 ± 0.002	
Maximum capacity (Emax)	t	6, 12, 20, 30	
Maximum number of load cell intervals (nLC)		3000	4000
Ratio of minimum LC verification interval Y = Emax / vmin		10000	15000
Combined error	%FS	± 0.0230	± 0.0175
Minimum dead load	of Emax	0	
Safe overload	of Emax	150 %	
Ultimate overload	of Emax	300 %	
Zero balance	%FS	± 1.5 %	
Excitation, recommended voltage	V	5 ~ 12 (DC)	
Excitation maximum	V	18 (DC)	
Terminal resistance, input	Ω	1000 ± 10	
Terminal resistance, output	Ω	1004 ± 5	
Insulation impedance	MΩ	≥ 5000 (at 50VDC)	
Temperature range, compensated	℃	-10 ~ +40	
Temperature range, operating	℃	-35 ~ +65	
Storage temperature	℃	-40 ~ +70	
Element material		Nickel plated alloy steel	
Ingress Protection (according to EN 60529)		IP68	

Dimensions in mm



Dimension Capacity	W	W1	W2	L	R	H	Φd1	Φd2
6t	130 (5.12)	55 (2.17)	27.5 (1.08)	110 (4.33)	75 (2.95)	50 (1.97)	22.4 (0.88)	16.2 (0.64)
12t	130 (5.12)	55 (2.17)	27.5 (1.08)	110 (4.33)	75 (2.95)	60 (2.36)	22.4 (0.88)	16.2 (0.64)
20t	150 (5.91)	70 (2.76)	35 (1.38)	125 (4.92)	89 (3.50)	65 (2.56)	38.1 (1.50)	24.5 (0.96)
30t	200 (7.87)	90 (3.54)	45 (1.77)	176 (6.93)	125 (4.92)	70 (2.95)	50.15 (1.97)	30.15 (1.19)

Wiring



- Shielded, 4 conductor cable.
- Cable diameter: Φ5mm
- Standard cable length: 10m.
- Shield not connected to element