

Model WMC Miniature Sealed Stainless Steel Load Cell Capacities 1K-10K lbf (4500-45000 N)

- Proprietary Interface temperature compensated strain gages
- Tension & compression
- Small size
- Environmentally sealed



STANDARD CONFIGURATION

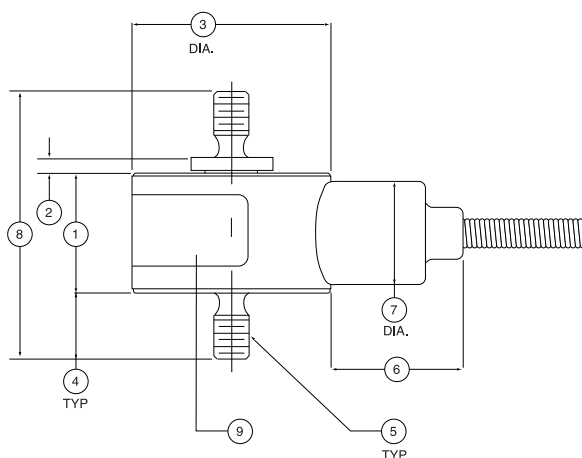
5 ft. (1.5m) Integral Cable

OPTIONS

Extra Cable Length

ACCESSORIES

Instrumentation



SPECIFICATIONS

ACCURACY – (MAX ERROR)	
Nonlinearity–% FS	±0.20
Hysteresis–% FS	±0.20
Nonrepeatability–% RO	±0.05
Creep, in 20 min–%	±0.05
TEMPERATURE	
Compensated Range–°F	15 to 115
Compensated Range–°C	-10 to 45
Operating Range–°F	-65 to 250
Operating Range–°C	-54 to 121
Effect on Output–%/°F – MAX	±0.002
Effect on Zero– % RO/°F – MAX	±0.005
ELECTRICAL	
Rated Output–mV/V (Nominal)	2.0
Zero Balance–%RO	±2.0
Bridge Resistance–Ohm (Nominal)	350
Excitation Voltage–MAX	15.0 VDC
Insulation Resistance–Megohm	> 5000
MECHANICAL	
Calibration	T & C
Safe Overload–% CAP	150
Cable length	5 ft. (1.5m)
Weight	0.13-0.50 (lb) 59.0-226.8 (g)

DIMENSIONS

See Drawing	CAPACITY							
	1K lbf (4.5 kN)		2K, 3K lbf (9, 13 kN)		5K lbf (22 kN)		7.5K, 10K lbf (33, 45 kN)	
	inch	mm	inch	mm	inch	mm	inch	mm
(1)	0.53	13.4	0.72	18.3	0.94	23.9	1.09	27.7
(2)	0.03	0.8	0.03	0.8	0.03	0.8	0.03	0.8
(3)	1.00	25.4	1.00	25.4	1.25	31.8	1.38	34.9
(4)	0.38	9.7	0.50	12.7	0.63	16.0	0.88	22.4
(5)	0.250-28 UNF M6x1		0.375-24 UNF M10x1.5		0.500-20 UNF M12x1.75		0.750-16 UNF M16x2	
(6)	0.50	12.7	0.50	12.7	0.50	12.7	0.50	12.7
(7)	0.39	9.9	0.39	9.9	0.39	9.9	0.39	9.9
(8)	1.32	33.5	1.75	44.5	2.23	56.6	2.88	73.2
(9)	label		label		label		label	
Deflection @ RO	0.0022 in 0.056 mm		0.0020 in 0.051 mm		0.0017 in 0.043 mm		0.0016 in (7.5K) 0.041 mm	
							0.0015 in (10K) 0.038 mm	

WMC Mini 1K-10K lbf
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