

WMC MINIATURE SEALED STAINLESS STEEL LOAD CELL (U.S. & METRIC)

FEATURES & BENEFITS

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

SPECIFICATIONS

ACCURACY – (MAX ERROR)		
Nonlinearity – %FS		±0.15
Hysteresis – %FS		±0.15
Nonrepeatability – %RO		±0.05
Creep, in 20 min – %		±0.05
TEMPERATURE		
Compensated Range	°F	+15 to +115
	°C	-10 to +45
Operating Range	°F	-65 to +250
	°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 – VDC MAX		12.0
Insulation Resistance – Megohm		> 5000
MECHANICAL		
Calibration		T & C
Safe Overload – %CAP		150
Weight	lbs	0.05 - 0.12
	g	22.7 - 54.4
Material		Stainless steel

OPTIONS

- Cable length
- Special calibration
- Standardized output
- Special temperature range
- Custom calibration
- Add connector to cable
- Submersible
- Transducer Electronic Data Sheet (TEDS)

ACCESSORIES

- Instrumentation

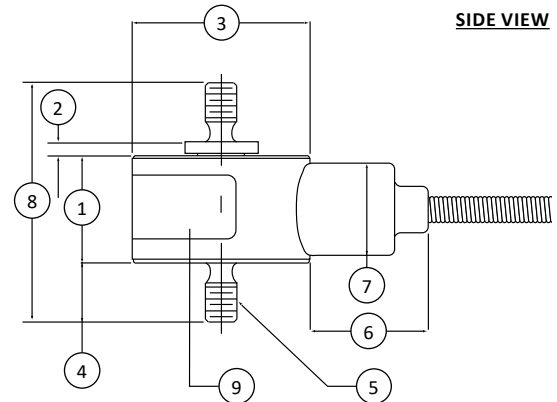
CONNECTOR OPTIONS

- 5 ft (1.5 m) integral cable

STANDARD CONFIGURATION



Model WMC (Shown)



SIDE VIEW

DIMENSIONS

See Drawing	CAPACITY					
	U.S. (lbf)	Metric (N)	U.S. (lbf)	Metric (N)	U.S. (lbf)	Metric (N)
	5 - 10	22 - 45	25 - 100	110 - 450	250 - 500	1100 - 2200
	in	mm	in	mm	in	mm
(1)	0.45	11.4	0.52	13.2	0.53	13.4
(2)	0.06	1.5	0.03	0.8	0.03	0.8
(3)	Ø0.75	Ø19.1	Ø1.00	Ø25.4	Ø1.00	Ø25.4
(4)	0.25 TYP	6.4 TYP	0.25 TYP	6.4 TYP	0.38 TYP	9.7 TYP
(5)	6-32 UNC M4X0.7 TYP		10-32 UNF M5X0.8 TYP		¼-28 UNF M6X1 TYP	
(6)	0.50	12.7	0.50	12.7	0.50	12.7
(7)	Ø0.39	Ø9.9	Ø0.39	Ø9.9	Ø0.39	Ø9.9
(8)	1.01	25.7	1.05	26.7	1.32	33.5

DEFLECTION @ RO							
lbf	N	lbf	N	lbf	N	lbf	N
5	22	10	45	25	110	50	220
in	mm	in	mm	in	mm	in	mm
0.0012	0.030	0.0010	0.025	0.0014	0.036	0.0010	0.025

DEFLECTION @ RO (CONTINUED)					
lbf	N	lbf	N	lbf	N
100	450	250	1100	500	2200
in	mm	in	mm	in	mm
0.0007	0.018	0.0026	0.066	0.0025	0.064