

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

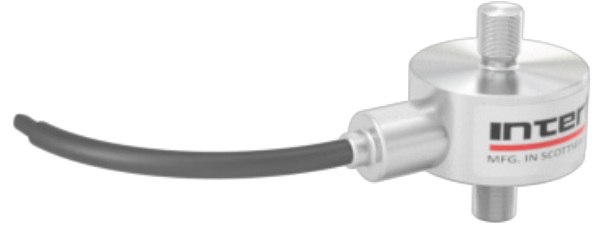
### FEATURES & BENEFITS

- 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 – % / deg	°F	±0.002
Effect on Zero – %RO / deg	°F	±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
Deflection @ RO	5 (lbf)	0.0012
	22 (N)	0.030
	10 (lbf)	0.0010
	45 (N)	0.025
	25 (lbf)	0.0014
	110 (N)	0.036
	50 (lbf)	0.0010
	220 (N)	0.025
	100 (lbf)	0.0007
	450 (N)	0.018
	250 (lbf)	0.0026
	1100 (N)	0.066
	500 (lbf)	0.0025
	2200 (N)	0.064
Safe Overload – %CAP		150
Weight	lbs	0.05 - 0.12
	g	22.7 - 54.4
Material		Stainless steel

### STANDARD CONFIGURATION



Model WMC-100 (Shown)

### OPTIONS

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

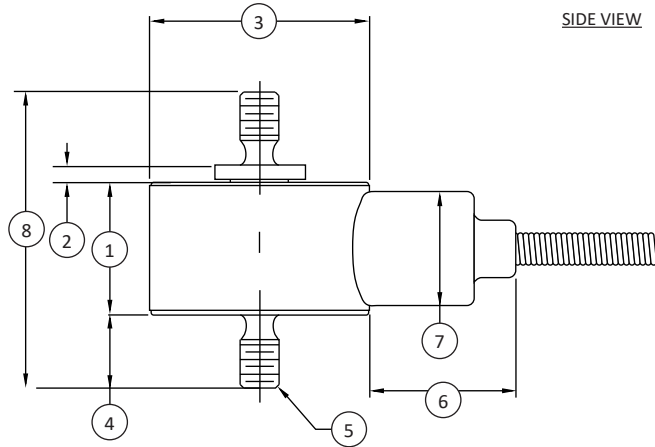
### ACCESSORIES

- Instrumentation

### CONNECTOR OPTIONS

- 5 ft (1.5 m) integral cable

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



### 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)	∅0.75	∅19.1	∅1.00	∅25.4	∅1.00	∅25.4
(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)	∅0.39	∅9.9	∅0.39	∅9.9	∅0.39	∅9.9
(8)	1.01	25.7	1.05	26.7	1.32	33.5