

# Model WMC Miniature Sealed Stainless Steel Load Cell

## Capacities 5-500 lbf

Why the Interface model WMC Miniature Sealed Stainless Steel Load Cell is the best in class:

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

### STANDARD CONFIGURATION

5 ft Integral Cable

### OPTIONS\*

Extra Cable Length  
Submersible

### ACCESSORIES\*

Instrumentation

\*See appendix for more technical information



### 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
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

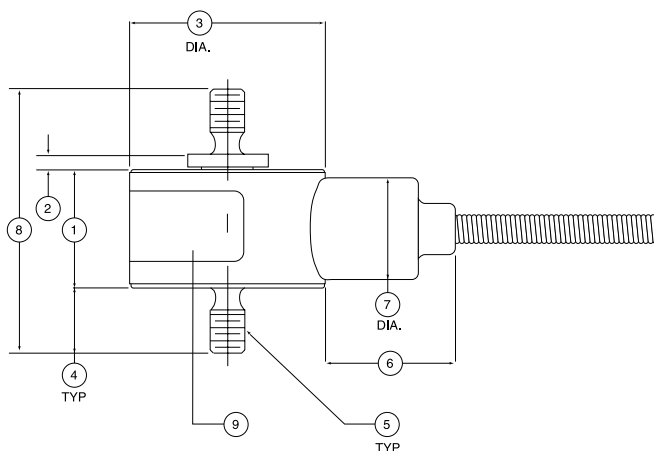
#### ELECTRICAL

Rated Output-mV/V (Nominal)	2.0
Zero Balance-% RO	±2.0
Bridge Resistance-Ohm (Nominal)	350
Excitation Voltage - MAX	12.0 VDC
Insulation Resistance - Megohm	> 5000

#### MECHANICAL

Calibration	T & C
Safe Overload-% CAP:	
5, 10 lbf	150
25-500 lbf	150
Cable length-ft	5

### DIMENSIONS



See Drawing	CAPACITY (lbf)					
	5, 10		25, 50, 100		250, 500	
	inch	mm	inch	mm	inch	mm
①	0.45	11.4	0.52	13.21	0.52	13.21
②	0.06	1.5	0.03	0.8	0.03	0.80
③	0.75	19.1	1.00	25.4	1.00	25.4
④	0.25	6.4	0.25	6.4	0.38	9.7
⑤	6-32 UNF		10-32 UNF		1/4-28 UNF	
⑥	0.50	12.7	0.50	12.7	0.50	12.7
⑦	0.39	9.9	0.39	6.4	0.39	6.4
⑧	1.01	25.6	1.05	26.7	1.31	33.3
⑨	label		label		label	

Lower capacities available, consult factory.

# Model WMC Miniature Sealed Stainless Steel Load Cell

## Capacities 1K-10K lbf

Why the Interface model WMC Miniature Sealed Stainless Steel Load Cell is the best in class:

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

### STANDARD CONFIGURATION

5 ft Integral Cable

### OPTIONS\*

Extra Cable Length

### ACCESSORIES\*

Instrumentation

\*See appendix for more technical information



### SPECIFICATIONS

#### ACCURACY - (MAX ERROR)

Nonlinearity-% FS .....±0.20  
 Hysteresis-% FS .....±0.20  
 Nonrepeatability-% RO .....±0.05  
 Creep, in 20 min-% .....±0.05

#### TEMPERATURE

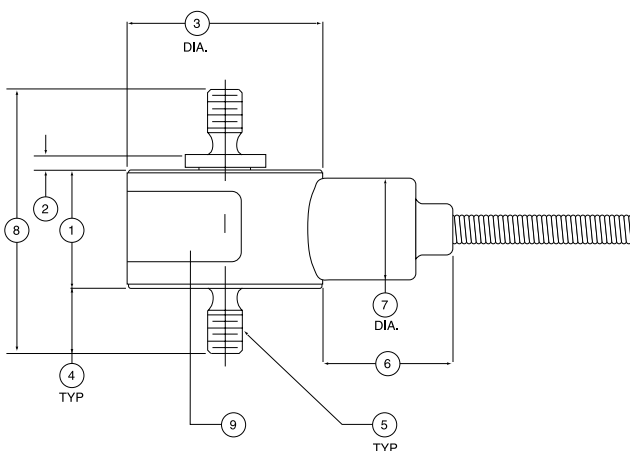
Compensated Range-°F .....15 to 115  
 Compensated Range-°C .....-10 to 45  
 Operating Range-°F .....-65 to 250  
 Operating Range-°C .....-54 to 121  
 Effect on Output-%/°F - MAX .....±0.002  
 Effect on Zero-% RO/°F - MAX .....±0.005

#### ELECTRICAL

Rated Output-mV/V (Nominal) .....2.0  
 Zero Balance-% RO .....±2.0  
 Bridge Resistance-Ohm (Nominal) .....350  
 Excitation Voltage - MAX .....15 VDC  
 Insulation Resistance - Megohm .....> 5000

#### MECHANICAL

Calibration .....T & C  
 Safe Overload-% CAP .....150  
 Cable length-ft .....5



### DIMENSIONS

See Drawing	CAPACITY (lbf)							
	1K		2K, 3K		5K		7.5K, 10K	
	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		0.375-24 UNF		0.500-20 UNF		0.750-16 UNF	
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	

# Model WMC Rod End Load Cell

Why the Interface model WMC Rod End Load Cell is the best in class:

- Proprietary Interface temperature compensated strain gages
- Environmentally sealed
- Stainless steel construction
- Low deflection
- Tension & compression

## STANDARD CONFIGURATION

PTWIH-10-6P Connector

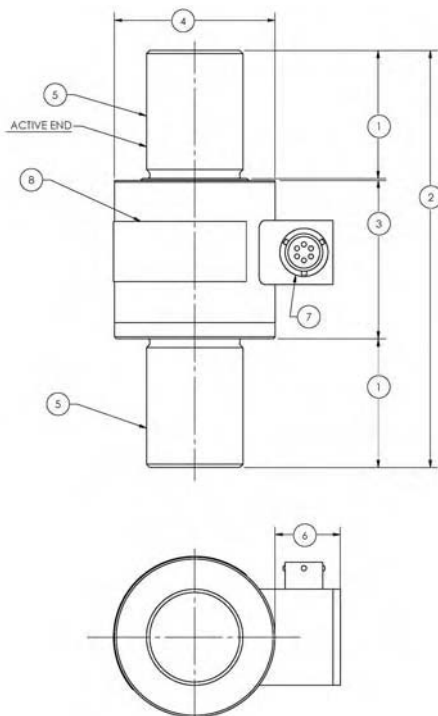
## OPTIONS\*

Integral Cable  
Standardized Output  
Amplifier

## ACCESSORIES\*

Instrumentation

\*See appendix for more technical information



## SPECIFICATIONS

### ACCURACY – MAX

Nonlinearity - % FS.....±0.10  
Hysteresis - % FS.....±0.10  
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.....±0.004  
Effect on Output - %/°C – MAX.....±0.0072  
Effect on Zero - % RO/°F – MAX.....±0.0025  
Effect on Zero - % RO/°C – MAX.....±0.0045

### ELECTRICAL

Rated Output- mV/V (nominal).....2  
Zero Balance - %RO.....±1  
Bridge Resistance – Ohm (nominal).....350 ±3.5  
Excitation Voltage – MAX.....15 VDC  
Insulation Resistance – Megohm.....> 5000

### MECHANICAL

Calibration.....T & C  
Safe Overload - % CAP.....150

## DIMENSIONS

See Drawing	CAPACITY (lbf) 20K, 30K, 50K	
	inch	mm
①	2.00	50.8
②	6.5	165.1
③	2.47	62.7
④	2.5	63.5
⑤	1.5 - 12 UNF	
⑥	1.01	25.7
⑦	PTWIH-10-6P Connector	
⑧	Label	