

# Interface

## Model WMC Series Capacities 1K, 2K, 3K, 5K, 7.5K, 10K



**NEW!**

**Why INTERFACE WMC load cells  
are the best in class:**

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

### STANDARD CONFIGURATION

- 5 Ft Integral Cable

### OPTIONS\*

Extra cable length  
Studs instead of threaded holes

### 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 200  
Operating Range-°C .....-55 to 90  
Effect on Output-%/°F - MAX .....± 0.002  
Effect on Zero-% RO/°F - MAX .....± 0.005

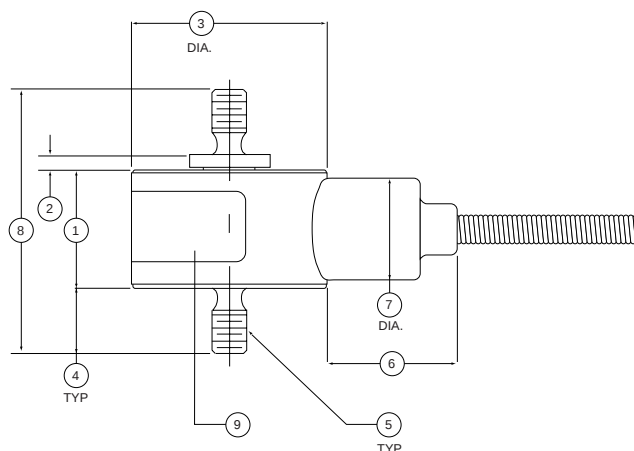
#### ELECTRICAL

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 .....Tension  
Safe Overload-% CAP:.....150  
Cable length-ft .....5

### DIMENSIONS



| See<br>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              | 0.44           | 11.2 | 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        |      |

# Interface

## Model WMC Series Capacities 5, 10, 25, 50, 100, 250, 500



**NEW!**

**Why INTERFACE WMC load cells  
are the best in class:**

- Overload protection (5 & 10 lbf)
- Proprietary Interface temperature compensated strain gages
- Tension and compression
- Small size
- Environmentally sealed

### STANDARD CONFIGURATION

- 5 Ft Integral Cable

### OPTIONS\*

Extra cable length  
Standardized output

### 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 .....60 to 160  
Compensated Range-°C .....15 to 70  
Operating Range-°F .....-65 to 250  
Operating Range-°C .....-53 to 120  
Effect on Output-%/°F - MAX .....± 0.005  
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 .....Tension  
Safe Overload-% CAP:  
    5, 10 lbf .....1000  
    25-500 lbf .....150  
Cable length-ft .....5

### DIMENSIONS

| See<br>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  | 0.12        | 3.05  | 0.03       | 0.76  |
| 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 UNC       |      | 10-32 UNC   |       | 1/4-28 UNF |       |
| ⑥              | 0.50           | 12.7 | 0.50        | 12.7  | 0.50       | 12.7  |
| ⑦              | 0.39           | 9.9  | 0.25        | 6.4   | 0.25       | 6.4   |
| ⑧              | 1.01           | 25.6 | 1.14        | 29.0  | 1.31       | 33.3  |
| ⑨              | label          |      |             |       |            |       |

