

## Temperature Gauges

Monitor process temperatures with these thermometers. The thermometer uses a bimetallic sensing element, which reacts measurably and consistently with temperature change. The sensing element is made of two different metals welded together to form a coil which is enclosed in a stainless steel stem. When the stem is exposed to temperature change the coil expands or contracts and the pointer moves accordingly.

- Features Anti-Vibration Design
- Fast Response to Temperature Change
- Case: Hermetically Sealed, Stainless Steel
- Stem: 316 Stainless Steel
- Lens: Glass
- Scale: Dual Fahrenheit and Celsius
- Accuracy: 1% Full Scale Per Grade A, ASME B40.3
- Ambient Temperature: -30° F to 180° F
- External Adjustment: Zero Reset Screw
- Design Meets or Exceed ASME B40.3 Thermometer Standard
- Anti-Parallax Dial with Fixed Back Mount 90 Degrees (TGB Series)
- Adjustable Angle Dial Allows 90° Vertical Adjustment and 360° Dial Rotation (TGL Series)



**TGB Series**  
Back Mount



**TGL Series**  
Lower Mount

| Dial Size | Connection | Probe Length | Part No.     | Dial Size | Connection | Probe Length | Part No.     |
|-----------|------------|--------------|--------------|-----------|------------|--------------|--------------|
| 2"        | 1/4" NPT   | 2.5"         | TGB20-XXXP25 | 3"        | 1/2" NPT   | 2.5"         | TGL30-XXXP25 |
| 2"        | 1/4" NPT   | 4.0"         | TGB20-XXXP40 | 3"        | 1/2" NPT   | 4.0"         | TGL30-XXXP40 |
| 2"        | 1/4" NPT   | 6.0"         | TGB20-XXXP60 | 3"        | 1/2" NPT   | 6.0"         | TGL30-XXXP60 |
| 3"        | 1/2" NPT   | 2.5"         | TGB30-XXXP25 | 5"        | 1/2" NPT   | 2.5"         | TGL50-XXXP25 |
| 3"        | 1/2" NPT   | 4.0"         | TGB30-XXXP40 | 5"        | 1/2" NPT   | 4.0"         | TGL50-XXXP40 |
| 3"        | 1/2" NPT   | 6.0"         | TGB30-XXXP60 | 5"        | 1/2" NPT   | 6.0"         | TGL50-XXXP60 |

### Available Temperature Ranges

| Part No.     | -40°/120°F | -40°/160°F | 0°/150°F | 0°/200°F | 0°/220°F | 20°/240°F | 0°/250°F | 50°/300°F | 50°/550°F |
|--------------|------------|------------|----------|----------|----------|-----------|----------|-----------|-----------|
| TGB20-XXXP25 | —          | X          | —        | —        | X        | —         | —        | X         | X         |
| TGB20-XXXP40 | —          | X          | —        | —        | X        | —         | —        | X         | X         |
| TGB20-XXXP60 | —          | —          | —        | —        | X        | —         | —        | X         | —         |
| TGB30-XXXP25 | X          | —          | X        | X        | —        | X         | X        | X         | X         |
| TGB30-XXXP40 | X          | X          | X        | X        | —        | —         | X        | X         | X         |
| TGB30-XXXP60 | X          | X          | X        | —        | —        | X         | X        | X         | X         |
| TGL30-XXXP25 | X          | —          | X        | X        | —        | X         | X        | X         | —         |
| TGL30-XXXP40 | X          | —          | X        | X        | —        | —         | X        | —         | X         |
| TGL30-XXXP60 | X          | —          | X        | X        | —        | —         | X        | —         | X         |
| TGL50-XXXP25 | X          | —          | X        | X        | —        | X         | X        | X         | X         |
| TGL50-XXXP40 | X          | X          | X        | X        | —        | X         | X        | X         | X         |
| TGL50-XXXP60 | X          | X          | X        | X        | —        | X         | X        | X         | X         |

#### Notes:

1. Replace the XXX in the model number, with the last 3 digits of the desired temperature range
2. Additional dial sizes, temperature ranges and probe lengths are available, consult Midwest Control
3. Minimum Order Requirements is 2 PCS

### Model Number Explanation

| TGB                             | 20        | 160                                    | P25          |
|---------------------------------|-----------|--|--------------|
| Temperature Gauge               | Dial Size | 40° F/160° F                           | 25= 2-1/2"   |
| B= Back Mount<br>L= Lower Mount | 2"        | Last 3 Digits of the Temperature Range | Probe Length |