



Optional Thermowell

**Description & Features:**

- Measures both pressure and temperature on the same dial
- 2.5" (63mm) and 3" (75mm) dials
- Dual scale (°F & °C)
- Back or bottom connection
- Brass wetted parts
- 1" (25mm), 2" (50mm) and 2.5" (63mm) stems
- Multiple pressure and temperature ranges available
- Can be used with TST thermowells
- Ranges are compliant to industry standard ASME Boiler Code Section IV HG-612
- 5 year warranty

**Applications:**

- Hot water and steam pressure for boilers

**Specifications**

| Specifications             |                                                         |
|----------------------------|---------------------------------------------------------|
| <b>Dial</b>                | 2.5" (63mm), 3" (75mm) aluminum, painted white          |
| <b>Case</b>                | Steel, painted black                                    |
| <b>Lens</b>                | 2.5" (63mm): Acrylic, threaded<br>3" (75mm): Glass      |
| <b>Ring</b>                | 3" (75mm): Chrome                                       |
| <b>Stem</b>                | Brass                                                   |
| <b>Socket</b>              | Brass                                                   |
| <b>Tube</b>                | Phosphor bronze                                         |
| <b>Movement</b>            | Brass and phosphor bronze                               |
| <b>Sensing Element</b>     | Temperature: Bi-metallic coil<br>Pressure: Bourdon tube |
| <b>Pointer</b>             | Aluminum, anodized black                                |
| <b>Welding</b>             | Tin-alloy solder                                        |
| <b>Pressure Limit</b>      | 75% of full scale range                                 |
| <b>Ambient Temperature</b> | 23°F to 122°F (-5°C to 50°C)                            |
| <b>Process Temperature</b> | 75% of full scale range                                 |
| <b>Accuracy</b>            | Pressure: ±3-2-3%<br>Temperature: ±3% of full scale     |
| <b>Enclosure Rating</b>    | IP50                                                    |

**Order Codes (products in bold are normally stock in North America)**

| Range                                       | Dial        | Connection               | Stem Length | Code          |
|---------------------------------------------|-------------|--------------------------|-------------|---------------|
| 0-75psi/kPa, 70°F to 320°F & 20°C to 160°C  | 2.5" (63mm) | 1/4" NPT, Back           | 1" (25mm)   | <b>TTD410</b> |
| 0-75psi/kPa, 70°F to 320°F & 20°C to 160°C  | 2.5" (63mm) | 1/4" NPT, Extension Back | 2" (50mm)   | <b>TTD401</b> |
| 0-75psi/kPa, 70°F to 320°F & 20°C to 160°C  | 2.5" (63mm) | 1/4" NPT, Back           | 2" (50mm)   | <b>TTD404</b> |
| 0-75psi/kPa, 70°F to 320°F & 20°C to 160°C  | 3" (75mm)   | 1/2" NPT, Bottom         | 2.5" (63mm) | <b>TTD403</b> |
| 0-75psi/kPa, 70°F to 320°F & 20°C to 160°C  | 3" (75mm)   | 1/2" NPT, Back           | 2.5" (63mm) | <b>TTD402</b> |
| 0-100psi/kPa, 70°F to 320°F & 20°C to 160°C | 3" (75mm)   | 1/2" NPT, Bottom         | 2.5" (63mm) | <b>TTD409</b> |
| 0-100psi/kPa, 70°F to 320°F & 20°C to 160°C | 3" (75mm)   | 1/2" NPT, Back           | 2.5" (63mm) | <b>TTD408</b> |
| 0-200psi/kPa, 70°F to 320°F & 20°C to 160°C | 3" (75mm)   | 1/2" NPT, Bottom         | 2.5" (63mm) | <b>TTD405</b> |
| 0-200psi/kPa, 70°F to 320°F & 20°C to 160°C | 3" (75mm)   | 1/2" NPT, Back           | 2.5" (63mm) | <b>TTD407</b> |
| 0-250psi/kPa, 70°F to 320°F & 20°C to 160°C | 3" (75mm)   | 1/2" NPT, Bottom         | 2.5" (63mm) | <b>TTD399</b> |
| 0-250psi/kPa, 70°F to 320°F & 20°C to 160°C | 3" (75mm)   | 1/2" NPT, Back           | 2.5" (63mm) | <b>TTD398</b> |

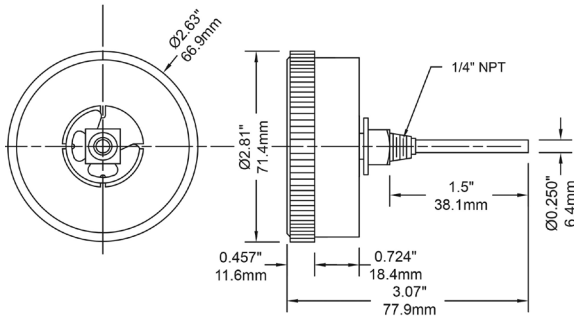
Other ranges, stem lengths, dial and connection sizes available upon request.

**Option suffix:**

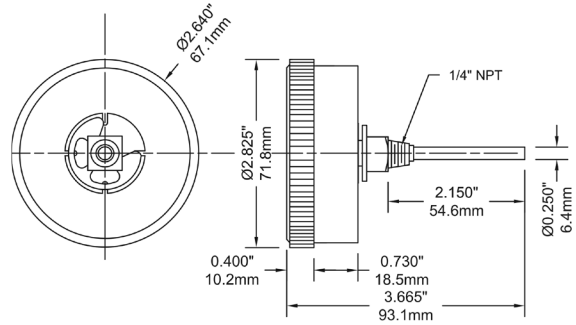
TST025 = 1/4" brass thermowell

TST050 = 1/2" brass thermowell

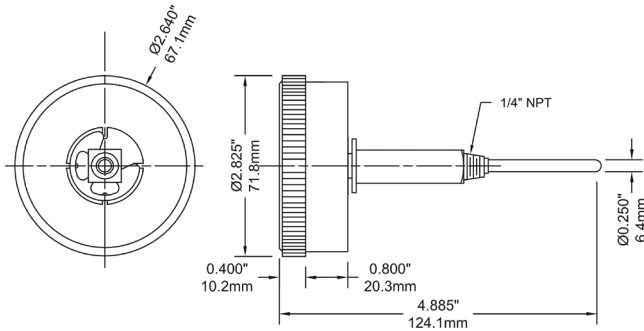
**2.5" Back Connection, 1" Stem**



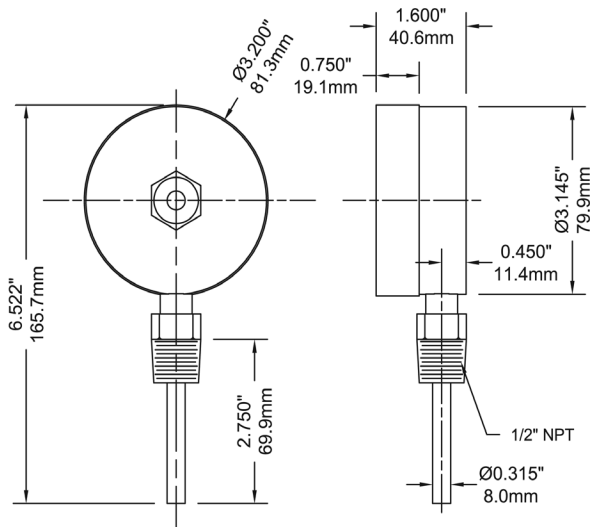
**2.5" Back Connection**



**2.5" Extension Back Connection**



**3" Bottom Connection**



**3" Back Connection**

