



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

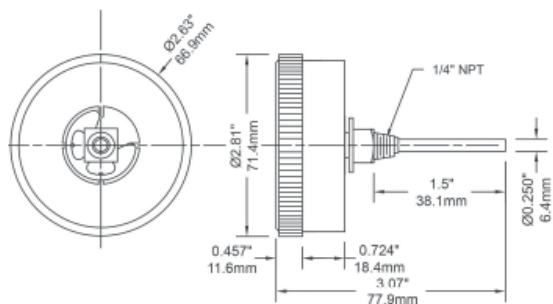
| Specifications      |                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dial                | 2.5" (63mm), 3" (75mm) aluminum, painted white                                                                                                                                                                                                                                                                                                                       |
| Case                | Steel, painted black                                                                                                                                                                                                                                                                                                                                                 |
| Lens                | 2.5" (63mm): Acrylic, threaded<br>3" (75mm): Glass                                                                                                                                                                                                                                                                                                                   |
| Ring                | 3" (75mm): Chrome                                                                                                                                                                                                                                                                                                                                                    |
| Stem                | Brass                                                                                                                                                                                                                                                                                                                                                                |
| Socket              | Brass                                                                                                                                                                                                                                                                                                                                                                |
| Tube                | Phosphor bronze                                                                                                                                                                                                                                                                                                                                                      |
| Movement            | Brass and phosphor bronze                                                                                                                                                                                                                                                                                                                                            |
| Sensing Element     | Temperature: Bi-metallic coil<br>Pressure: Bourdon tube                                                                                                                                                                                                                                                                                                              |
| Pointer             | Aluminum, anodized black                                                                                                                                                                                                                                                                                                                                             |
| Welding             | Tin-alloy solder                                                                                                                                                                                                                                                                                                                                                     |
| Pressure Limit      | 75% of full scale range                                                                                                                                                                                                                                                                                                                                              |
| Ambient Temperature | 23°F to 122°F (-5°C to 50°C)                                                                                                                                                                                                                                                                                                                                         |
| Process Temperature | 75% of full scale range                                                                                                                                                                                                                                                                                                                                              |
| Accuracy            | Pressure: $\pm 3-2-3\%$<br>Temperature: $\pm 3\%$ of full scale                                                                                                                                                                                                                                                                                                      |
| Enclosure Rating    | IP50                                                                                                                                                                                                                                                                                                                                                                 |
| Warning             |  <b>WARNING:</b> This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> . |

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

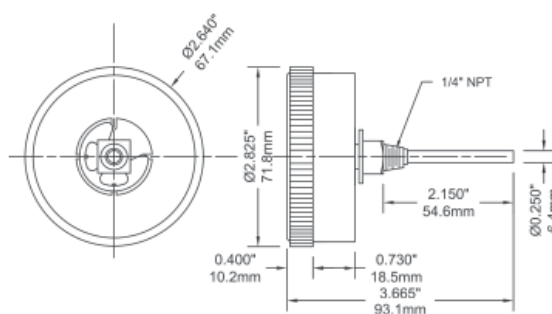
| Range                                       | Dial        | Connection               | Stem Length | Code          | Tridicator Shut-off Thermowell |
|---------------------------------------------|-------------|--------------------------|-------------|---------------|--------------------------------|
| 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> | TST025                         |
| 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> | TST050                         |
| 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.

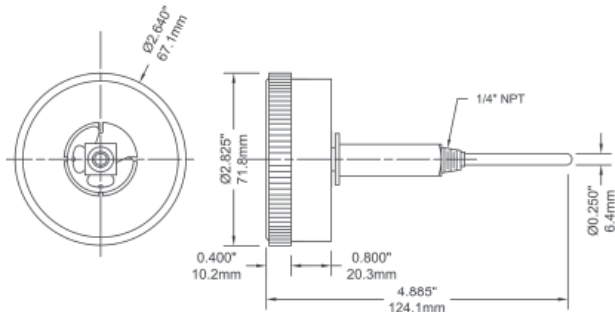
## 2.5" Back Connection, 1" Stem



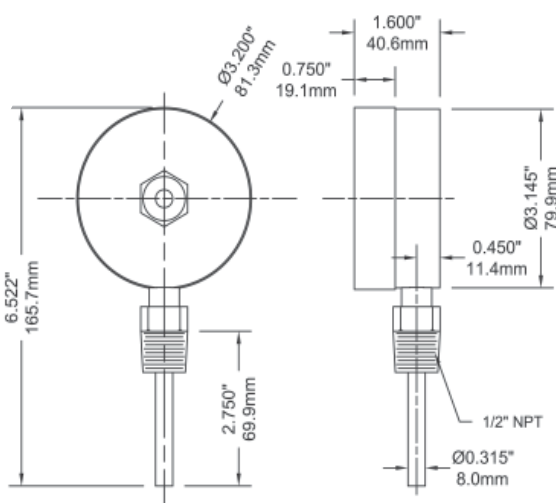
## 2.5" Back Connection



## 2.5" Extension Back Connection



## 3" Bottom Connection



## 3" Back Connection

