

# TBG SERIES TRIDICATORS

## Description & Features:

- Combination boiler gauge & bimetal thermometer providing both readings on the same dial.
- Available in 2.5" and 3" dial sizes, in bottom and center back connection.
- Standard case materials are steel painted black and 304 stainless steel.
- Wetted parts/internals are brass or 304 stainless steel depending on model.
- 7-year warranty\*

*\*Refer to Merit Instruments warranty page for full warranty details.*

## Specifications:

- Dial: 2.5" (63mm) and 3" (175mm) are available.
- Case: Steel painted black for 2.5" and 3" dial sizes, 304 stainless steel standard on select 2.5" dial sizes.
- Lens: Polycarbonate (PC) screw-on lens standard with 2.5" dial steel case. Glass lens standard on 3" dial steel case, and PC lens is standard on the 2.5" 304 SS case.
- Ring: 304 stainless steel bezel standard on 3" dial case and on 2.5" dial 304 SS case.
- Socket: Brass for steel case tridicators, 304 SS for all SS tridicators.
- Bourdon Tube: Phosphor bronze for steel case tridicators, 304 SS for all SS tridicators.
- Connection: ¼" NPT for 2.5" dial sizes, ½" for 3" dial sizes.
- Dial: Aluminum, painted white with black and red markings for dual scale ranges, and black markings for single scale ranges.
- Pointer: Aluminum, non-adjustable, painted black.
- Working Pressure: Maximum 75% of full scale value.
- Accuracy: +/- 3% for pressure reading, +/-2% for temperature reading.
- IP Rating: IP55



*(applies to brass internals only)*

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## Applications:

- Designed specifically for boiler installations to provide both temperature and pressure readings on the same instrument dial.
- Can be customized to meet OEM requirements.

Tridicators	Range PSI/F Only	Code	Range PSI/kPa F&C	Code
2.5" Dial Screw-On PC Lens 1.5" Stem 1/4" NPT Back Connection	0/75 psi & 70/320 F	TBGS100	0/75 psi/kPa & 70/320 F&C	TBGD100
2.5" Dial Screw-On PC Lens 2" Stem 1/4" NPT Back Connection	0/75 psi & 70/320 F	TBGS101	0/75 psi/kPa & 70/320 F&C	TBGD101
2.5" Dial Screw-On PC Lens Extension Neck 1/4" NPT Back Connection	0/75 psi & 70/320 F	TBGS102	0/75 psi/kPa & 70/320 F&C	TBGD102
3" Dial Glass Lens 2.5" Stem 1/2" NPT Back Connection	0/75 psi & 70/320 F	TBGS103	0/75 psi/kPa & 70/320 F&C	TBGD103
3" Dial Glass Lens 2.5" Stem 1/2" NPT Bottom Connection	0/75 psi & 70/320 F	TBGS104	0/75 psi/kPa & 70/320 F&C	TBGD104
2.5" Dial all 304 SS, 2.5" stem 1/4" NPT Back Connection	0/75 psi & 70/320 F	TBGS100SS	0/75 psi/kPa & 70/320 F&C	TBGD100SS
2.5" Dial all 304 SS, 2.5" stem 1/4" NPT Bottom Connection	0/75 psi & 70/320 F	TBGS101SS	0/75 psi/kPa & 70/320 F&C	TBGD101SS