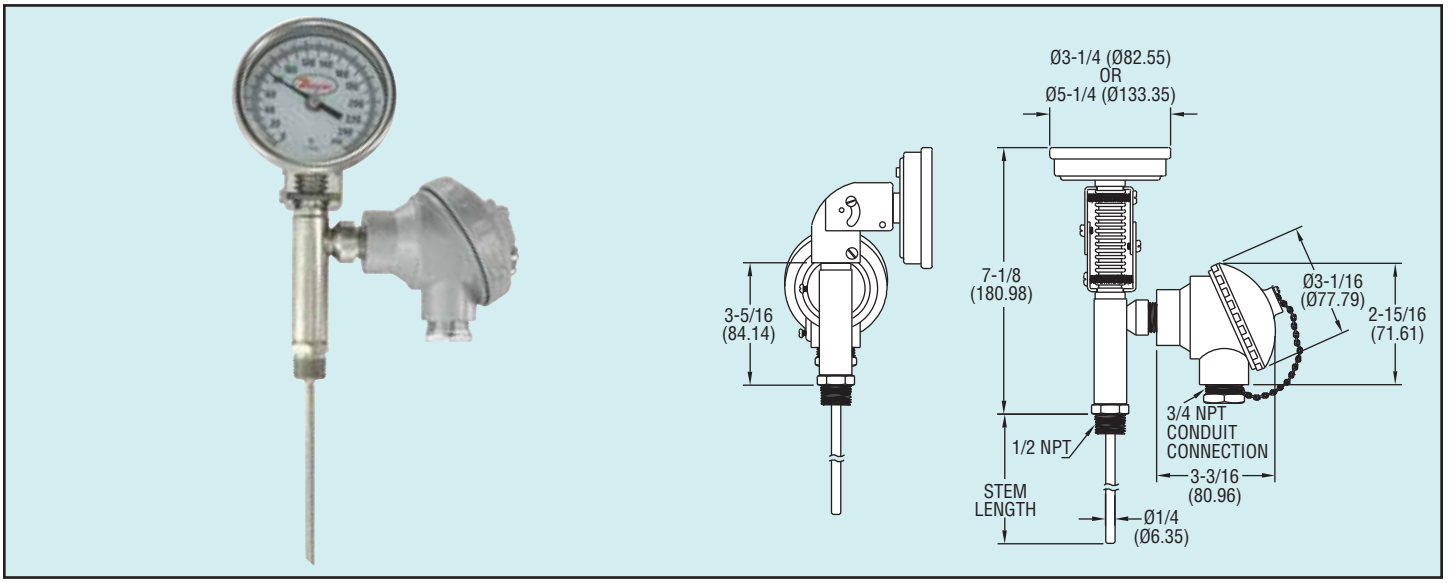
Series BTO

Bimetal Thermometer with Transmitter Output

Bimetal Stem with 4-20 mA Output, 3″ or 5″ Dial



The Series BTO Bimetal Thermometer with Transmitter Output eliminates the need for a separate thermometer and transmitter. By only needing one connection, the BTO series reduces installation cost and saves space. The head-mount transmitter is located in a weatherproof thermal head located on the side of the stem. The BTO series is ideal for use on power generating boilers, skid mounted compressors, and thermal oxidation systems.

SPECIFICATIONS

Thermometer Specifications

Wetted Materials: 304 SS.
Housing Material: 304 SS.
Lens: Glass.
Accuracy: ±1% full scale.
Temperature Limits: Ambient: -58 to 185°F (-50 to 85°C).
Dial Size: 3″ or 5″.
Process Connection: 1/2″ NPT.
Resolution: 2°F (5°F for 400°F and 550°F models).
Weight: 1.95 lb.

Transmitter Specifications

Temperature Limits: Ambient: -58 to 185″F (-50 to 85°C).
Power Requirement: 10 to 33 VDC.
Output Signal: 4 to 20 mA.
Loop Resistance: 1045Ω.
Power Consumption: 38 mA.
Enclosure Rating: NEMA 4X (IP65).

Model	Dial Size	Stem Length	Range	Model	Dial Size	Stem Length	Range
BTO325101	3″	2.5″	0 to 200°F	**BTO525101**	5″	2.5″	0 to 200°F
BTO32551	3″	2.5″	0 to 250°F	**BTO52551**	5″	2.5″	0 to 250°F
BTO32561	3″	2.5″	50 to 300°F	**BTO52561**	5″	2.5″	50 to 300°F
BTO325121	3″	2.5″	50 to 400°F	**BTO525121**	5″	2.5″	50 to 400°F
BTO32571	3″	2.5″	50 to 550°F	**BTO52571**	5″	2.5″	50 to 550°F
BTO340101	3″	4″	0 to 200°F	**BTO540101**	5″	4″	0 to 200°F
BTO34051	3″	4″	0 to 250°F	**BTO54051**	5″	4″	0 to 250°F
BTO34061	3″	4″	50 to 300°F	**BTO54061**	5″	4″	50 to 300°F
BTO340121	3″	4″	50 to 400°F	**BTO540121**	5″	4″	50 to 400°F
BTO34071	3″	4″	50 to 550°F	**BTO54071**	5″	4″	50 to 550°F
BTO360101	3″	6″	0 to 200°F	**BTO560101**	5″	6″	0 to 200°F
BTO36051	3″	6″	0 to 250°F	**BTO56051**	5″	6″	0 to 250°F
BTO36061	3″	6″	50 to 300°F	**BTO56061**	5″	6″	50 to 300°F
BTO360121	3″	6″	50 to 400°F	**BTO560121**	5″	6″	50 to 400°F
BTO36071	3″	6″	50 to 550°F	**BTO56071**	5″	6″	50 to 550°F
BTO390101	3″	9″	0 to 200°F	**BTO590101**	5″	9″	0 to 200°F
BTO39051	3″	9″	0 to 250°F	**BTO59051**	5″	9″	0 to 250°F
BTO39061	3″	9″	50 to 300°F	**BTO59061**	5″	9″	50 to 300°F
BTO390121	3″	9″	50 to 400°F	**BTO590121**	5″	9″	50 to 400°F
BTO39071	3″	9″	50 to 550°F	**BTO59071**	5″	9″	50 to 550°F
BTO312101	3″	12″	0 to 200°F	**BTO512101**	5″	12″	0 to 200°F
BTO31251	3″	12″	0 to 250°F	**BTO51251**	5″	12″	0 to 250°F
BTO312061	3″	12″	50 to 300°F	**BTO512061**	5″	12″	50 to 300°F
BTO312121	3″	12″	50 to 400°F	**BTO512121**	5″	12″	50 to 400°F
BTO31271	3″	12″	50 to 550°F	**BTO51271**	5″	12″	50 to 550°F