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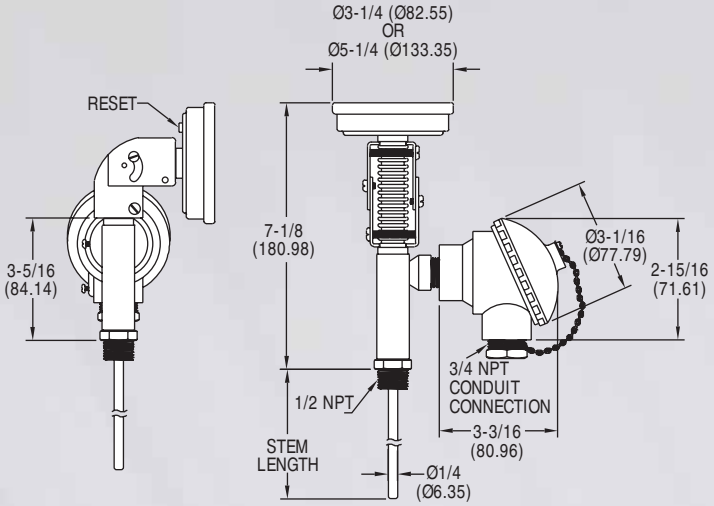
Series BTO

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

Wetted Materials: 304 SS.
Lens: Glass.
Accuracy: Thermometer: ±1%; Transmitter: ±0.2%.
Ambient Operating Temperature: -58 to 185°F (-50 to 85°C).
Dial Size: 3″ or 5″.
Connection: 1/2″ NPT.
Resolution: 2°F (5°F for 50 to 400°F & 50 to 550°F).
Power Supply for Transmitter: 8-36 VDC.
Output: 4 to 20 mA.
Weight: 1.95 lb (885 g)

Model Number	Dial Size	Stem Length	Range	Model Number	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

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