



Data Sheet
ST-20 Series
Screw-in RTD Thermometers

Distributed by



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Bristol Instruments
90 Canal Street
4th Floor
Boston, MA 02114

Toll free 877-866-8500

Threaded resistance thermometer With protection tube

Accuracy class F 0,3 and W 0,3 according DIN EN 60 751



Features

Universal thermometer for low pressure
Interchangeable insert according to DIN
Special versions on request

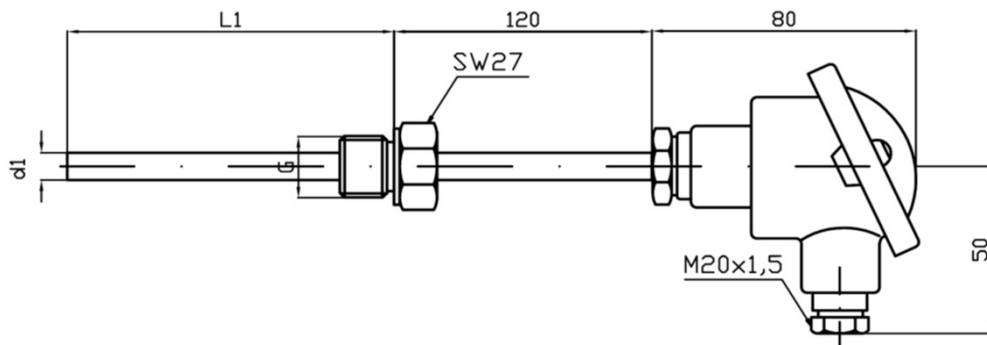
Application

Laboratory
Mechanical and plant engineering
Chemical and petrochemical industry

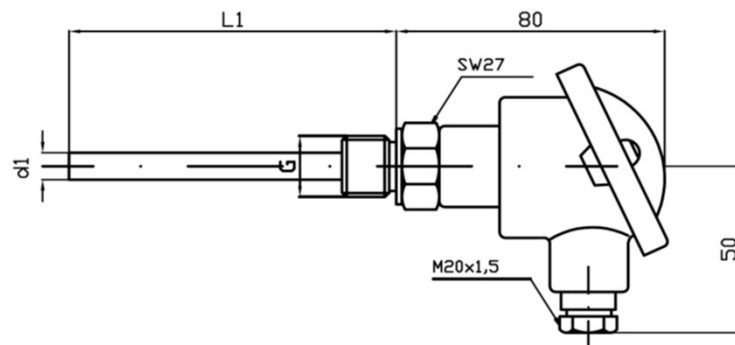
Model	ST-20	ST-21	ST-22	ST-24	ST-25	ST-26
Design	with neck tube			without neck tube		
Connection thread	G 1/2" with SW 27, CrNi-steel 316L, other connections available as an option					
Accuracy	Class F 0,3		Class W 0,3	Class F 0,3		Class W 0,3
Range	-50...+400 °C (-58...752 °F)					
Sensor element	1 x Pt 100, 3-wire, optional 2 x Pt 100 and / or 4-wire alternatively Pt 1.000					
Connection	CrNi-steel 316L					
Thermowell	9 x 1 mm	6 x 1 mm	9 x 1 mm scaled down to 6 mm 40 mm	9 x 1 mm	6 x 1 mm	9 x 1 mm scaled down to 6 mm 40 mm
Measuring insert diameter	6 mm exchangeable	3 mm exchangeable	3 mm exchangeable	6 mm exchangeable	3 mm exchangeable	3 mm exchangeable
Connection head	Form B according DIN 43 729, other connection heads on request					
Elektr. Connection	Ceramic stone in head, over M 20x1,5					

Dimensions

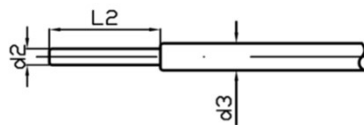
Model ST-20, ST-21 and ST-22



Model ST-24, ST-25 and ST-26



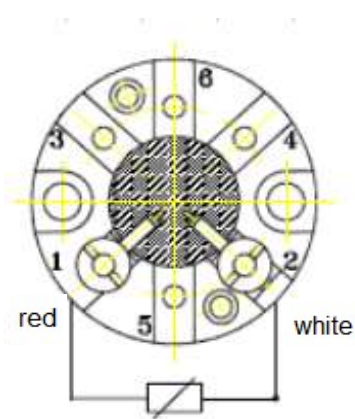
Scaled down Protection tube for Model ST-22 and ST-26



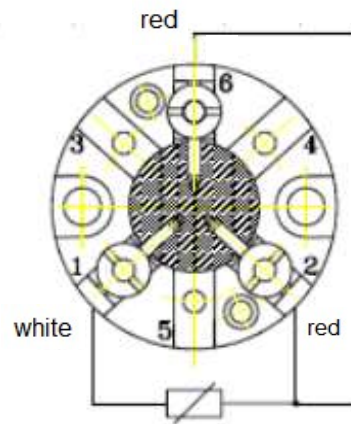
Dimensions in mm						
Model	d1	d2	d3	L2	Neck tube	G
ST-20	9				with neck tube	G 1/2"
ST-21	6				with neck tube	G 1/2"
ST-22		6	9	40	with neck tube	G 1/2"
ST-24	9				without neck tube	G 1/2"
ST-25	6				without neck tube	G 1/2"
ST-26		6	9	40	without neck tube	G 1/2"

Dimensions

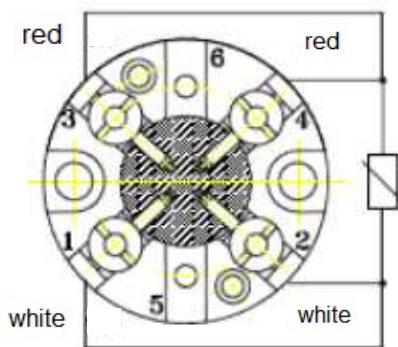
Electrical Connection for Pt 100



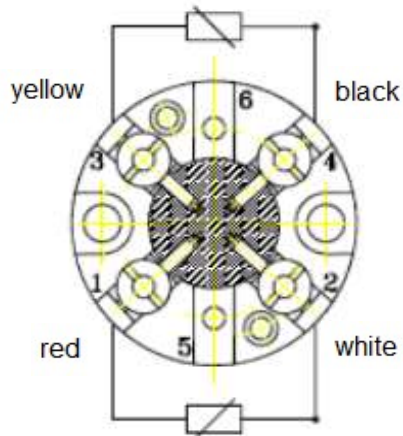
1xPt 100 2-wire



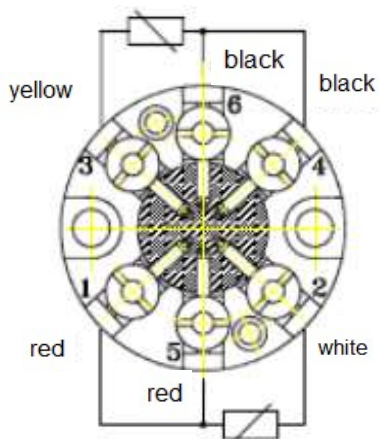
1xPt 100 3-wire



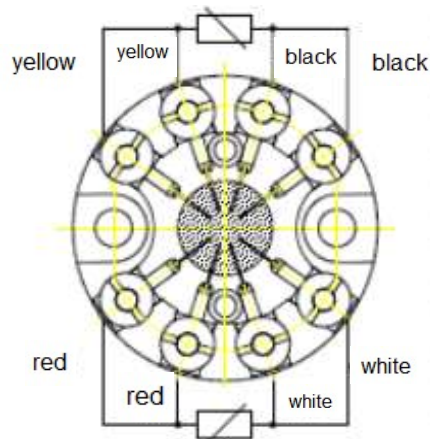
1xPt 100 4-wire



2xPt 100 2-wire



2xPt 100 3-wire



2xPt 100 4-wire

The pin assignment is the same for resistance thermometers with Pt 1,000!