

Type S bunsen burner probe for high-temperature flame measurement

GBF 1550



Introduction

For very hot measurement points, this Bunsen burner probe gives users a direct way to measure temperatures up to +1550 °C. The probe tip may be exposed directly into the flame, making it suitable for demanding high-temperature work where a standard probe would not be appropriate.

The type S thermocouple (Pt10Rh-Pt) covers +50 ... +1550 °C and responds quickly, with an approx. 2s T90 response time. A V4A tube with Ø 8 mm diameter, reduced Ø 5.5 mm ceramic tube, plastic handle, silicone cable and miniature flat plug provide a practical configuration for Bunsen burner temperature measurement. Loose ends and a 3 m cable are available as non-default options.



Direct flame use

The probe tip may be exposed directly into the flame for demanding high-temperature measurement.



Wide heat range

Type S thermocouple covers +50 ... +1550 °C for very hot measurement points.



Quick response

Approx. 2s T90 response time supports fast temperature checks.



Built for heat

V4A tube and reduced Ø 5.5 mm ceramic tube suit high-temperature probe use.



View product on our website

prod.senseca.apprunner.info/en/product/gbf-1550-gbf-1550?_dc=1782454433109

Technical Specifications

Measurement

Measuring principle	Thermocouples
Temperature sensor	Type S 1
Temperature range TC S	50...1550 °C

Analog Output (passive)

Response time (T90), analog output (passive)	2 s
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Probe

Cable	Silicon
Connection	Miniature flat pin plug, loose ends
Probe Diameter	8 mm
Handle	Plastic
Probe length	80 mm
Material	Ceramic, AISI 316 stainless steel

Available product variants

Ordercode	Description	Article No.
GBF1550	GBF 1550: Mini flat pin plug type S, 1 m cable - Bunsen burner probe for high-temperature flame measurement from +50 ... +1550 °C. Type S thermocouple wires with direct flame exposure, approx. 2s T90 response, V4A and ceramic tube, silicone cable and miniature flat plug.	603037

Features

Type S thermocouple

The probe uses a type S (Pt10Rh-Pt) thermocouple for temperature measurement from +50 ... +1550 °C.

Probe construction

The design combines a V4A tube with Ø 8 mm diameter and a reduced Ø 5.5 mm ceramic tube at the probe section.

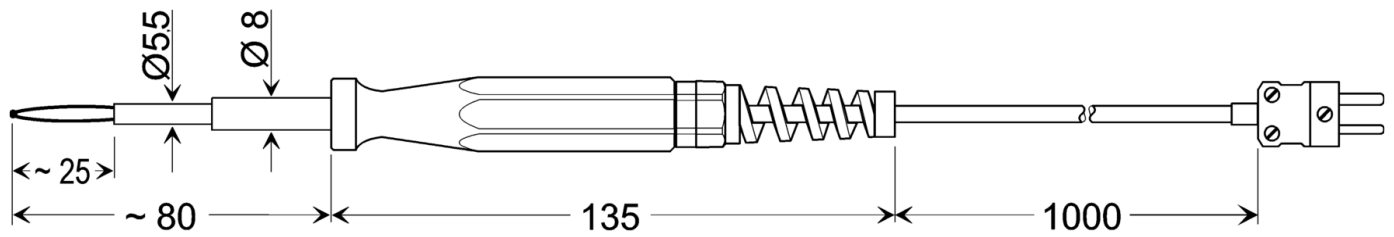
Handle and cable

The probe includes a plastic handle and silicone cable (1 m standard length) for handheld use in the stated temperature application. A 3 m cable is available as a non-default option.

Connection options

The standard connection uses a miniature flat plug. Loose ends are available as a non-default option.

Details



Dimensions in mm