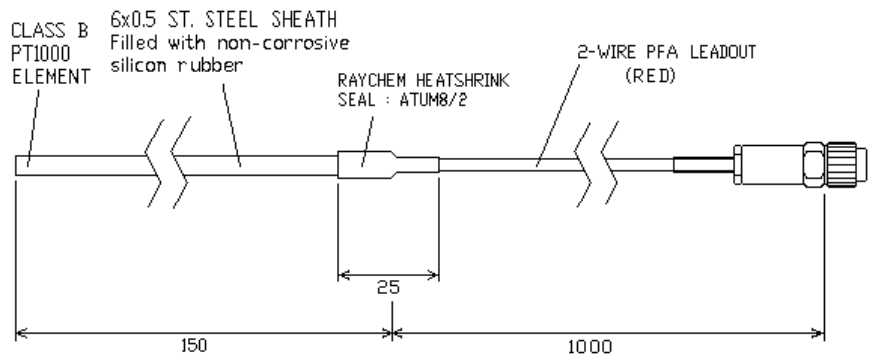




Sensor Physical Details



Mechanical specification

Probe:

Sheath : Stainless Steel filled with non-corrosive silicon rubber.
Temp Range : -200°C to +400°C (at the tip of the probe).

Cable:

Red PFA outer. Temp range 70°C to +300°C. Heatsrink seal: -40°C to +200°C

Connector:

2-way IP68 connector, Stainless Steel body.

Sensor details

Measuring Range : -200°C to +100°C

Sensor Type : Platinum resistance,
 $\alpha = 0.0385$

Response Time : 50 s to 90% (Air)
15 s to 90% (water)

Sensor accuracy : $\pm 0.8^\circ\text{C}$ From
-100°C to +100°C

Approvals

All Tiny loggers are manufactured by Gemini Data Loggers (UK) Ltd. to EN ISO 9002 part 2 (Certificate No. 6134), and are CE approved to EN50081 part 1:1992 and EN50082 part 1&2:1992 with any standard leads or probes supplied.

NAMAS traceable calibration certificates are available on individual units.



Related Products

This probe is only suitable for the following products:

TGP-0204 Tinytag Plus for PT1000 Probe (-200°C to +100°C)
TV-0204 Tinyview for PT1000 Probe (-200°C to +100°C)

For other temperature ranges see:

TGU-0020 Tinytag Ultra Range G (-40°C to +125°C) for standard probe
TGP-0020 Tinytag Plus Range G (-40°C to +125°C) for standard probe
TGU-0104 Tinytag Ultra for PT100 Probe (-50°C to +300°C)
TGP-0104 Tinytag Plus for PT100 Probe (-50°C to +300°C)

Applications

Cryogenics