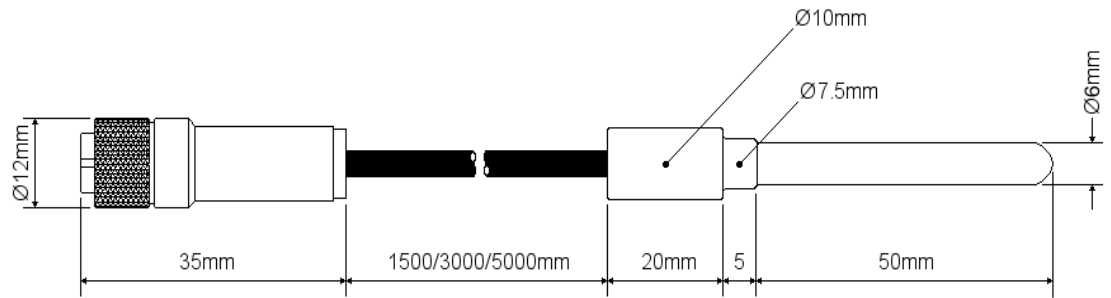


# PT1000 Freezer Probe (-80 to +100 °C)

**PB-7003-1M5/3M/5M**

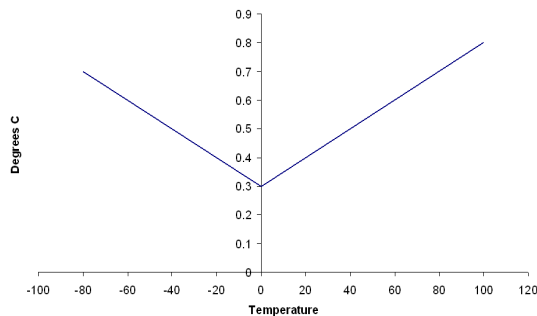
Issue 2: 23rd November 2007 (E&OE)



## Sensor Specification

**Measuring Range** -80 °C to +100 °C (-112 °F to +212 °F)  
**Sensor Type** PT1000 (Class B)

### Sensor Accuracy



## Physical Specification

**IP Rating** IP66 (splash-proof)  
**Weight** 65g (1.5m cable version)

**Response Time**  
**Water** Typically 20 Seconds (to 90% FSD)  
**Moving Air** Typically better than 3 Minutes (to 90% FSD)

**Probe**  
**Material** Stainless steel (316)  
**Temperature rating** -80 °C to +100 °C (-112 °F to +212 °F)

Resin used in the probe is rated to -55degC but can be used at lower temperatures provided it is not cycled.

**Cable**  
**Material** Silicone cable outer sheath with SPT core insulation  
**Temperature rating** -80 °C to +100 °C (-112 °F to +212 °F)  
Do not flex the probe cable below -60 °C (-76 °F)

**Connector**  
**Material** Nickel Plated Brass/Zinc Alloy  
**Temperature rating** -25 °C to 85 °C (-13 °F to 185 °F)

## Notes

This probe can be supplied with either a 1.5m, 3M or 5M cable.

If used in salt water rinse with fresh water before storage. For prolonged exposure, smear the threads of the connector with petroleum jelly to minimise risk of corrosion.

For specialist use, for example applications bringing the product into direct contact with food, we can supply material data sheets so you can assess the suitability of this product for your application.

## Calibration

A UKAS traceable certificate of calibration can be supplied for an additional charge at the point of purchase, or when a probe is returned for a service calibration.

## Approvals

Gemini Data Loggers (UK) Ltd. operates a Quality Management System which conforms to BS EN ISO 9001:2000. The scope of the system covers the manufacture, design and supply of data loggers and their associated software, accessories and services.



## Related Products

This probe is suitable for use with the following products:

**Tinytag Plus 2 model number:**

TGP-4204

**Tinytag View 2 model number:**

TV-4204