Gemini Data Sheet

Features

Memory Size :	16k (Non-volatile)
Display :	4 digits + indicators
No. of Readings :	14800 (approx)
Resolution :	8 bit
Trigger Start :	Magnetic reed switch
Delayed Start :	Relative / Actual up to 45 days
Stop Options :	When Full After n Readings Never (Wrap around)
Reading Types :	Actual, Min, Max.
Logging Interval :	1 sec to 10 days
Offload :	While stopped or when logging in minute multiples
Alarms :	Two, fully Programmable
Functional Range :	0°C to 85°C / 32°F to 185°F
Display Functions :	-20°C to +70°C / -4°F to 158°F
IP Rating :	IP65 splashproof
Battery Life :	Up to 1 year

Notes:

Battery replacement is recommended at least once a year. It may be replaced with Saft 3.7V 1/2AA Lithium cells. Stop the unit logging before replacing the battery. Functional Range describes the range over which the logger will function, **not** the sensor range over which it will record.

Sensor Details

Range :	-50°C to +300°C / -58°F to +572°F
Sensor Type :	PT100 Probe PB-3225
Logger Resolution :	1°C at 0°C / 1.8°F at 32°F

This logger is designed for a probe with the most widely used α value of 0.00385, known as the 'European Curve .

See specific data sheet on PB-3225 for response time and other characteristics.

Approvals

This equipment complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause any harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This product is manufactured by Gemini Data Loggers (UK) Ltd. to EN ISO 9002 part 2 (Certificate No. 6134), and is CE approved to EN50081 part 1:1992 and EN50082 part 1 and 2:1992/95 with any standard leads or probes supplied.

NAMAS traceable calibration certificates are available on individual units.

Mechanical Data

Case Style :	IP65 noryl
Colour :	Blue/orange food grade
Diameter :	60mm / 2.36
Length :	84mm / 3.31
Width :	76mm / 2.99
Depth :	35mm / 1.38
Weight :	85g / 3 oz.

Special Notes

When using the units at low temperatures, condensation may form. Before opening the case for any reason, allow the units to reach room temperature. The IP65 rating is only valid when the connector cap and sensor probe are both securely fitted.

Tinyview has the ability to remind the user when calibration is due. The unit can be given a yearly or 6 monthly calibration service, which includes certificate, new battery and seals along with re-setting of the calibration reminder indicator to the next calibration due date.

Interface Information and Related Products

To use your Tiny Data Logger you will require:
PT100 sensor probe (PB-3225)
Tinytag interface cable (CAB-0007), PC with GLM for Windows™ (SW-0009) or Easyview for Windows 95™ (SW-0500); or
Psion handheld computer, with Tinylink version 2.0 or above (SW-1101) and suitable cable (See Tinylink Data Sheet).

Further Related Products:

ACS-6000	Trigger Start Magnet
SER-9550	Tinyview Service Kit including battery, seal and silica gel pack.
TV-0020	Tinyview Range G (-40°C to +125°C / -40°F to +257°F) for Standard probe.
TV-0076	Tinyview Range H (-30°C to +50°C / -22°F to +122°F) for Stab probe. Suitable for taking core temperatures

Applications

Liquid baths.   Recording thermometers for chillers and offices.
Applications requiring the meeting of Food Directive 92/1, such as E18-150.