Gemini DATA LOGGERS

Tinytag

DATA SHEET

Tinyview Plus External Temperature For PT100 2-Wire Probe (-50 to +300°C)

TV-0104

Issue 10
5th February 2007
E&OE

The TV-0104 is equipped with an LCD display to provide an instant indication of the temperature and alarm conditions.

The logger is made with food grade materials and is most commonly used for high temperature monitoring.

Popular Applications

- Food processing and storage
- Pharmaceutical manufacture
- Logistics monitoring

Features

- High temperature recorder
- LCD display of current readings
- 15,000 reading capacity
- User-programmable logging interval
- 2 user-programmable alarms
- Delayed and trigger start options
- 3 stop options
- Splash proof case
- User-replaceable battery

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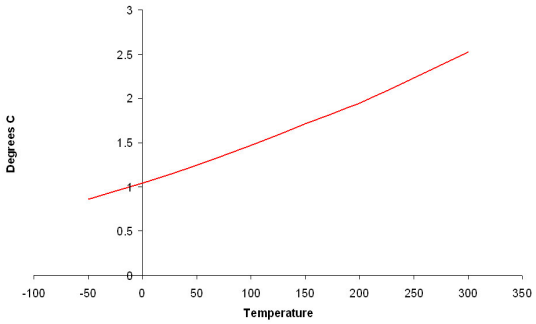
Features

Total Reading Capacity	15,000 readings
Memory type	Non Volatile
Display	4 digits + indicators
Trigger Start	Magnetic Switch
Delayed Start	Relative / Absolute (up to 45 days)
Stop Options	When full After n Readings Never (overwrite oldest data)
Reading Types	Actual, Min, Max
Logging Interval	1 sec to 10 days
Offload	While stopped or when logging in minutes mode
Alarms	2 fully programmable; latchable

Reading Specification

Reading Range	-50°C to +300°C
Sensor Type	PT100 (external probe) BS EN 60751, IEC 60751 Class A

Logger Resolution and Accuracy*



The reading resolution and reading accuracy of this unit are the same.
*The overall accuracy of this unit will depend on the probe used.

Physical Specification

Case Material	Noryl
IP Rating	IP65 splash proof (see notes)
Operational Range*	0°C to +70°C
Case Dimensions	
Diameter	60mm / 2.36”
Length	84mm / 3.31”
Width	76mm / 2.99”
Depth	35mm / 1.38”
Weight	85g / 3oz

*The Operational Range indicates the physical limits to which the unit can be exposed, not the reading range over which it will record.

Notes

Battery Type	SAFT LS14250 or LST14250; Tekcell SBAA02P

The logger will operate with other ½AA 3.6V Lithium (Li-SOCl2) batteries but performance cannot be guaranteed.

Replacement Interval Annually

Before replacing the battery the data logger must be stopped.

Data stored on the logger will be retained after a battery is replaced.

The clarity of the display may change at extremes of temperature.

If used at low temperatures the data logger should be allowed to warm to room temperature before it is opened to avoid condensation forming inside the unit.

The IP65 rating is valid only when the unit’s connector cap and probe are securely fitted.

Calibration

This unit is configured to meet Gemini’s quoted accuracy specification during its manufacture.

We recommend that the calibration of this unit should be checked annually against a calibrated reference meter.

A UKAS traceable certificate of calibration can be supplied for an additional charge either at the point of purchase, or if the unit is returned for a Service Calibration.

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) the device must accept any interference received, including interference that may cause undesired operation.

This product is manufactured by Gemini Data Loggers (UK) Ltd to BS EN ISO9001:2000 (Certificate No. 6134).

Required and Related Products

To use this data logger you will also require:

The following probe:

PB-6001-1M5: Standard PT100 Probe

One of the following pieces of software:

SWCD-0040: Tinytag Explorer software or
SW-1500: Easyview Light software or
SW-0500: Easyview Pro software

and a

CAB-0007-USB: Tinytag/Tinyview USB Download Cable or
CAB-0007: Tinytag/Tinyview PC Serial Download Cable

Further related products:

SER-9550: Tinyview Plus Service Kit
ACS-6000: Trigger Start Magnet

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