

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

### TV-0104

**Issue 9**  
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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.

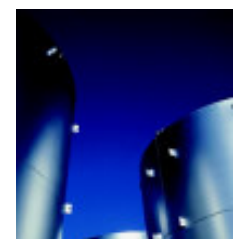
#### Popular Applications

- 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





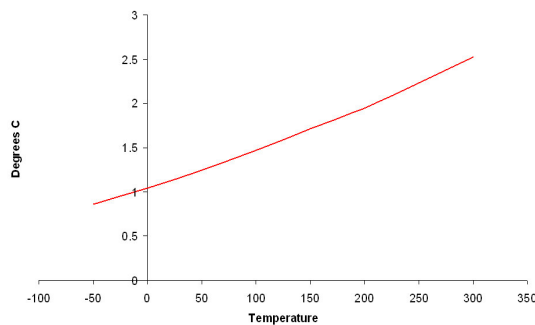
## Features

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

## Reading Specification

<b>Reading Range</b>	-50°C to +300°C
<b>Sensor Type</b>	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

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

<b>Battery Type</b>	SAFT LST14250 3.6v ½AA Lithium Cell
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**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: Tinytag PC Serial Download Cable

Further related products:

CAB-USB: USB to Serial Converter  
SER-9550: Tinyview Plus Service Kit  
ACS-6000: Trigger Start Magnet