

## Tinyview Plus External Temperature (-30 to +50°C)

TV-0073

**Issue 9**

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E&OE

The TV-0073 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 in fridges and chill cabinets.

### Popular Applications

- Environmental monitoring
- Pharmaceutical manufacture
- Food storage and transport
- Building monitoring
- Museum display and repository



### Features

- 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





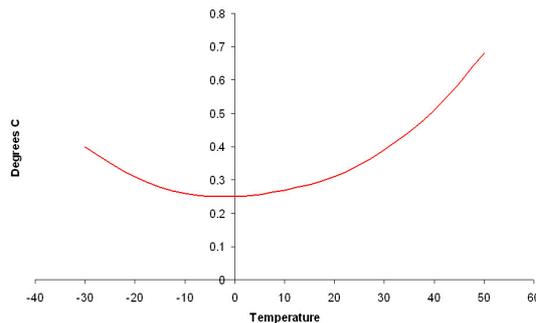
### Features

<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; latching

### Reading Specification

<b>Reading Range</b>	-30°C to +50°C
<b>Sensor Type</b>	10K NTC Thermistor (external probe)

#### 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.

<b>Display Resolution</b>	0.5°C
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### Physical Specification

<b>Case Material</b>	Noryl
<b>IP Rating</b>	IP65 splash proof (see notes)
<b>Operational Range*</b>	-30°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

**Battery Type** SAFT LS14250 or LST14250; Tekcell SBAA02P

The logger will operate with other ½AA 3.6V Lithium (Li-SOCl<sub>2</sub>) 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:

One of the following probes:

PB-5001-1M5/3M/5M: Standard Thermistor Probe or  
PB-5002-1M5/3M/5M: Fast Response Thermistor Probe or  
PB-5003-1M5: Surface Thermistor 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