Gemini
DATA LOGGERS

Tinytag

Tinytag View 2
Temperature Logger with Integral Sensor and for Thermistor Probe
(-30 to +50°C/-40 to +125°C)

TV-4510

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E&OE

Tinytag View 2s are all housed in an attractive IP65 case and have an integral display. All feature high reading accuracy and resolution, large memories, a fast offload speed and a low battery monitor.

The TV-4510 has an integral sensor and a connection for an external thermistor probe (not included) that makes the unit ideal for comparing ambient and process conditions.
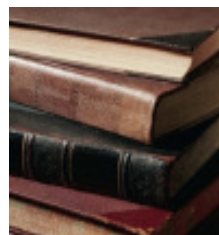
Popular Applications

- Chill cabinets and fridges
- Building condition monitoring
- Environmental monitoring
- Pharmaceutical storage

Features

- Dual channel temperature recorder
- LCD display of current readings
- 30,000 reading capacity
- High Accuracy
- High Reading Resolution
- Fast Data Offload
- 2 user-programmable alarms
- Low battery monitor
- User-replaceable battery

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Features

Total Reading Capacity	30,000 readings
Memory type	Non Volatile
Display	4 digits + indicators
Display Modes	℃ or ℉
Display Refresh Rate	Every 2 seconds (alternating integral/probe temperature)
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

Physical Specification

IP Rating	IP65 splash proof (see notes)
Operational Range*	-30℃ to +70℃
Case Dimensions	
Diameter	60mm / 2.36"
Length	85mm / 3.35"
Width	77mm / 3.03"
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	Tekcell SBAA02P; SAFT LS14250 or LST14250

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.

After removing an old battery from a logger, wait five minutes before inserting the new one.

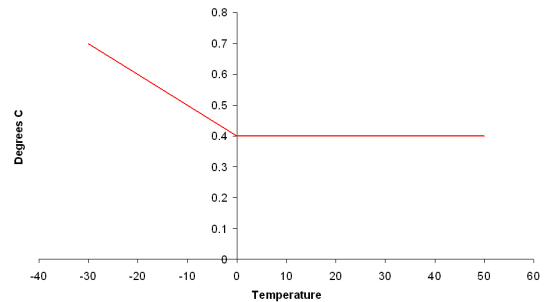Data stored on the logger will be retained after a battery is replaced.

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.
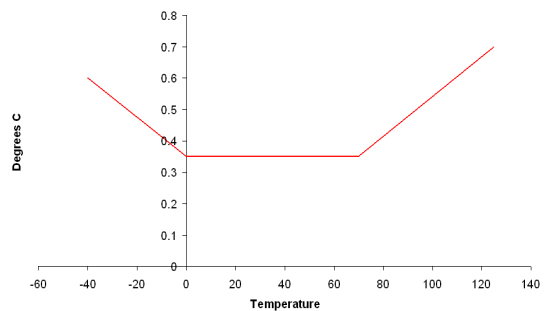
Reading Specification

Integral Channel

Reading Range	-30℃ to +50℃ (-22℉ to 122℉)
Sensor Type	10K NTC Thermistor
Response Time	10 mins to 90% FSD in moving air
Logger Resolution	0.02℃ or better
Display Resolution	0.1℃ or 0.1℉
Accuracy	

Probe Channel

Reading Range	-40℃ to +125℃ (-40℉ to 257℉)
Sensor Type	10K NTC Thermistor (external probe)
Logger Resolution	0.02℃ or better
Display Resolution	0.1℃ or 0.1℉
Temperature Stability	0.005℃/℃ Change from 25℃

Accuracy

The graph below is the accuracy of the TV-4510 when used with a PB-5001-1M5/3M/5M or PB-5002-1M5/3M/5M probe. Using a different probe may affect the accuracy of the unit.

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 certificate of calibration, traceable to a national standard, can be supplied for an additional charge either at the point of purchase, or if the unit is returned for a service calibration.

data sheet

Approvals

Gemini Data Loggers (UK) Ltd. operates a Business Management System which conforms to ISO 9001 and ISO 14001.

CE

Required and Related Products

To use this data logger you will require one of the following probes:

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

The following piece of software:

SWCD-0040: Tinytag Explorer software

and a

CAB-0007-USB: Tinytag Ultra/Plus/View USB Download Cable

The SWCD-0040 software and CAB-0007-USB cable can be ordered together in a pack using the part number SWPK-7-USB.

Further Related Products

SER-9500: Tinytag Data Logger Service Kit
ACS-5000: Tinytag Alarm Box
ACS-6000: Trigger Start Magnet

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