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-4204 is designed to work with a pt1000 probe.

Probes capable of measuring down to -80 or -196° C are available making the logger suitable for freezer or cryogenic applications.
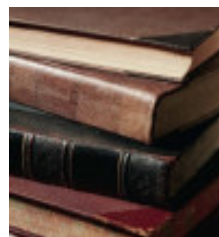
Popular Applications

- Freezer monitoring
- Cold room monitoring
- Organ transport
- Cryogenic applications
- Frozen food defrost curves

Features

- Low 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
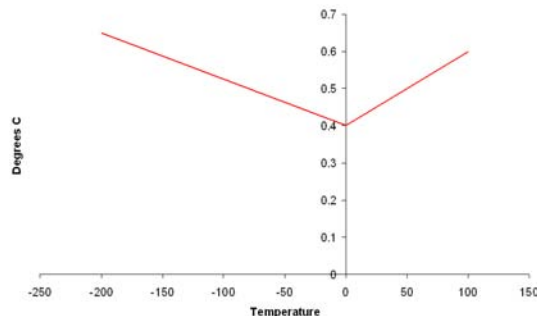- User-replaceable battery

Features

Total Reading Capacity	30,000 readings
Memory type	Non Volatile
Display	4 digits + indicators
Display Modes	℃ or ℉
Display Refresh Rate	Every 2 seconds
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	-200℃ to +100℃ (-328℉ to 212℉)
Sensor Type	PT1000 (external probe)
Logger Resolution	0.01℃ or better
Display Resolution	0.1℃ or 0.1℉
	(1℃/℉ below -99.9℃/℉)
Temperature Stability	0.005℃/℃ Change from 25℃

Accuracy

The graph below is the accuracy of the TV-4204 when used with a PB-7002-1M5/3M/5M or PB-7003-1M5/3M/5M probe. Using a different probe may affect the accuracy of the unit.

Physical Specification

IP Rating	IP65 splash proof (see notes)
Operational Range*	-25℃ to +70℃ (-13℉ to +158℉)
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.

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.

Gemini Data Loggers (UK) Ltd. operates Quality and Environmental Management Systems which conform to ISO 9001 and ISO 14001. The scope of these systems covers the design, manufacture and servicing of data logging and associated equipment, including software.

data sheet

UK / Europe Office
Tel +44 (0)845 9000 601
Fax +44 (0)845 9000 602
info@omni.uk.com
www.omniinstruments.co.uk

Australia / Asia Pacific Office
Tel +61 (0)282 442 363
Fax +61 (0)294 751 278
info@omniinstruments.com.au
www.omniinstruments.com.au

USA / Canada Office
Tel +1-866-849-3441
Fax +1-866-628-8055
info@omniinstruments.net
www.omniinstruments.net

Measurement and data acquisition solutions

Required and Related Products

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

PB-7002-1M5/3M: Standard 3-wire PT1000 Probe (-200°C to +100°C) or
PB-7003-1M5/3M/5M: PT1000 Freezer Probe (-80 to +100°C)

One of the following pieces of software:

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

and a

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

Further related products:

CAB-0007: Tinytag Ultra/Plus/View Serial Download Cable
SER-9500: Tinytag Data Logger Service Kit
ACS-5000: Tinytag Alarm Box
ACS-6000: Trigger Start Magnet

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