Gemini
DATA LOGGERS

Tinytag

Tinytag View 2 Current Logger (0 to 25mA DC)

TV-4804

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E&OE

The TV-4804 measures current from 0 to 25mA DC and can be connected to a variety of industry standard sensors enabling the logging of a wide range of process parameters.

As well as recording data the unit has a display that shows what the unit is currently reading. The unit has an IP65 case and features high reading resolution and accuracy, a large memory, a fast offload speed and a low battery monitor.
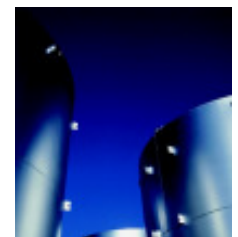
This unit is supplied with an input cable.

Popular Applications

• Customised data logging:
  CO_2
  Pressure
  Flow Rate
  Light

Features

• 0 to 25mA DC Current data logger

• 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 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	0 to 25mA DC
Reading Resolution	1µA
Display Resolution	0.1mA
Accuracy	0.1% of reading ±10µA

Physical Specification

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 stated above indicates the physical limits to which the unit can be exposed.

**The Case Dimensions and Weight do not include the supplied CAB-3239.

Connection Information

This unit is supplied with a CAB-3239 Tinytag Voltage/Current Input Lead (1m cable length).

The connection details for the cable, and a 5-pin plug (ACS-9703 - not supplied), are as follows:

CAB-3239	Pin	Function
Red	A	Do not connect
Green	B	Do not connect
White	C	Sense Line
Black	D	Common/0V
Yellow	E	Signal Input

The Sense line is a signal line that changes state when a reading is taken.

The line goes from 0v to +3.3V, for approximately 50mS, whilst a reading is being taken (the line goes back to 0V when the reading cycle is complete).

The line has an impedance of 10KΩ.

The Sense line does not need to be connected for the data logger to record correctly.

When using the current reading feature in the Tinytag Explorer software, this data logger must not be connected to a mains powered device or a current loop will be created that will damage the unit's input circuit.

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.

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.

Approvals

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

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Required and Related Products

To use this data logger you will also require:

A CAB-3239: Tinytag Voltage/Current Input Lead (*supplied*)

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

ACS-9703: 5-pin plug
SER-9500: Tinytag Data Logger Service Kit
ACS-5000: Tinytag Alarm Box
ACS-6000: Trigger Start Magnet

data sheet