

Tinytalk Voltage (0-2.5/10/25V)

TK-0702

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E&OE

Tinytalks are compact, lightweight, economical loggers housed in a 35mm film canister.

These loggers are used in a wide range of applications including fridge monitoring, building condition monitoring and academia.

The TK-0702 is our most cost effective voltage measuring solution.



Popular Applications

- Building condition monitoring
- Customised data logging: CO₂
Pressure
Flow Rate

Features

- Voltage recorder
- 1,800 reading capacity
- User-programmable logging interval
- 3 stop options
- Splash proof case
- User-replaceable battery





Features

Total Reading Capacity	1,800 readings
Memory type	Non Volatile
Delayed Start	Relative / Absolute (up to 45 days)
Stop Options	When full After n Readings Never (overwrite oldest data)
Logging Interval	1 sec to 4.5 hours
Offload	While stopped

Reading Specification

Reading Range 0-2.5, 0-10 or 0-25V DC (See Notes)

2.5V Range (Factory Default Range)

Maximum Input	3.5V
Input Impedance	>1MΩ
Resolution	10mV
Accuracy	±10mV ±0.5% of Reading

10V Range

Maximum Input	14V
Input Impedance	400KΩ
Resolution	40mV
Accuracy	±40mV ±1.0% of Reading

25V Range

Maximum Input	35V
Input Impedance	1MΩ
Resolution	100mV
Accuracy	±100mV ±1.0% of Reading

Physical Specification

Ingress Protection	Not water-proof
Operational Range*	-40°C to +85°C (-40°F to +185°F)
Case Dimensions†	
Diameter	34mm / 1.34"
Height	54mm / 2.13"
Weight	50g / 1.8oz

*The Operational Range indicates the physical limits to which the unit can be exposed, not the reading range over which it will record.

†The Case Dimensions do not include the CAB-3233 (supplied).

Calibration

This unit is configured to meet Gemini's quoted 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.

Notes

Battery Type SAFT LS14250 or LST14250;
Tekcell SBAA02P

The logger will operate with other ½AA 3.6V Lithium (Li-SOCI2) batteries but performance cannot be guaranteed.

Replacement Interval Every two years

Before replacing the battery the data logger must be stopped.

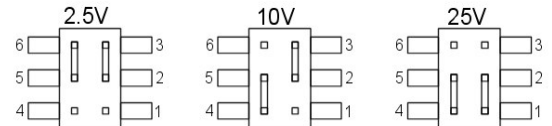
Data stored on the logger will be retained after a battery is replaced.

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 2.5V range is set as the factory default.

To change the reading range the unit needs to be reprogrammed using the Re-Educator software and the jumper links on the unit need to be moved to the following positions.

Link positions:



For further information on how change reading ranges please see the manual supplied with the unit or the Tinytag website.

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:

A CAB-3233: Tinytalk Voltage Input Lead (supplied)

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-0005: Tinytag Transit / Tinytalk PC Serial Download Cable

Further related products:

SW-0506: Re-Educator Software
CAB-USB: USB to Serial Converter
SER-9510: Tinytalk Service Kit