

Comark EVt Series

Single and Multi-Use Transport Temperature Loggers



COMARK



A: EVt1 single-use transport logger. B: EVt2 multi-use transport and general applications logger

For Data on the Move

Keeping temperature sensitive products, materials and ingredients within required temperature limits is vital. Customers demand it, consumers rely on it and regulations insist on it – but how to prove it?

Comark EVt temperature loggers are the answer. Low cost, easy to use EVt loggers are electronic, programmable and log data for permanent storage on a PC to provide the most cost effective transport logging solutions over any distance.

- Designed to withstand the toughest conditions
- Compact case is designed to meet IP67 standards against dust and water ingress
- Logs temperature of consignments from the originating warehouse to final destination
- Comprehensive range of information via display – can see essential data without downloading
- Alarm time delay function to prevent false alarms
- LEDs give instant alarm indication
- Downloaded data can be saved to a PC for reference and record purposes
- Dedicated software aids 21CFR Part 11 compliance

EVt1 Single Use Logger

- Supplied with pre-programmed logging sequence
- Can be re-programmed before use for alternative logging task
- Single button operation to start/stop logging
- Delayed logging start function with manual activation
- Programmable logging start at selected date
- Battery life typically 12 months

EVt2 Multi-Use Logger

- Download after each trip and reuse or reprogram for another application
- Ideal for multiple trips or where a separate log is required for outward and return deliveries
- Specification as EVt1 except battery life typically 24 months

Los registradores de temperatura y termómetros de este catálogo no cumplen con la Orden ITC/3701/2006, excepto el indicador-registrador de temperatura N2011 que está en proceso de aprobación de modelo por el control metrológico del Estado, para su utilización en el transporte, almacenamiento, distribución y control de productos a temperatura controlada en la cadena de frío de alimentos y medicamentos. Los termómetros de infrarrojos no lo requieren.

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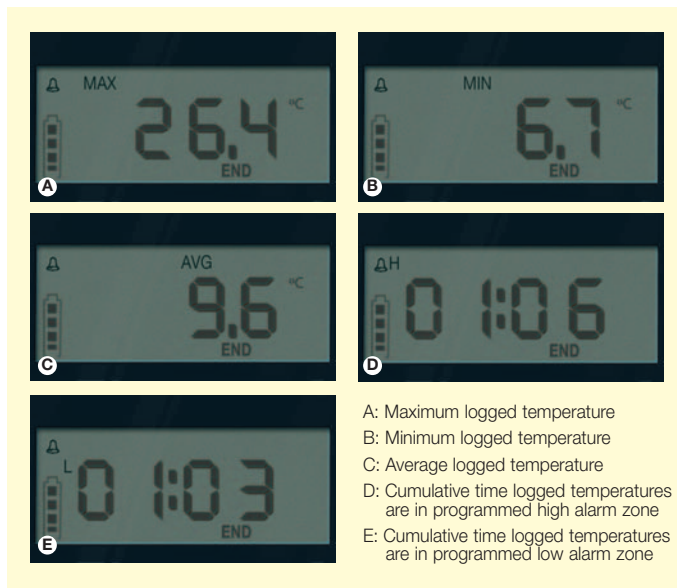
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EVt DISPLAY

The instrument display shows all essential information before, during and after logging. The display has an automatic scroll function, available after logging has ended, to show the following data. Ideal for decision making before downloading or where this is not possible: -



EV SOFTWARE

EVt loggers use a proven software package for programming, data retrieval and data storage. This is available in two variants, both compatible with Comark EV data loggers and the EVG Graphic Display Monitor.

EV Software - General use version

- Quick program function for faster instrument set up
- Data presentation in tabular or graphical form with extensive presentation options
- Selectable high and low alarm levels
- Selectable logging interval

EV Pro - Professional version

Specification as general use version plus: -

- Enhanced security options to aid compliance with the pharmaceutical industry 21CFR Part 11 requirements
- Additional data analysis, including: -
 - Mean kinetic temperature
 - Pasteurisation values

ORDER CODES AND ACCESSORIES

EVT1	Transport logger, single use, pre-programmed with logging task
EVT2	Transport logger, multi-use, pre-programmed with logging task
EVSW	EV software
EVSWPRO	Professional version of EV software
EVTCT	PC interface for programming loggers and downloading data
ADP55	USB to Serial port Adaptor

TECHNICAL SPECIFICATIONS

Sensor Type	Thermistor
Measurement Range	
EVt1	-20°C to +70°C, -4°F to +158°F
EVt2	-30°C to +70°C, -22°F to +158°F
Scales	°C, °F
Display Resolution	0.1°
System Accuracy	±0.5°C/±0.9°F
Channels	Single internal sensor only
Memory	3000 samples
Communications	Via infra red interface
Logging Frequency	Programmable between 1 second and 99 hours
Logging Start/Stop/LCD	Single multi-function button operation
Internal Sensor Response time	T ₉₀ = 15 to 30 minutes in ambient air
Ambient storage	As measurement range
Battery type	
EVt1	Non replaceable 1x 3V Lithium Coin Cell
EVt2	½ AA 3.6V Lithium Cell
Battery life, based on a 15 minute log rate at +20°C/+68°F with alarms off	
EVt1	12 months
EVt2	24 months
Case Material	Food safe polycarbonate
LED Indication	Red = Alarm, Green = Logger active
Dimensions	
Length	88mm (including fixing lug)
Width	80mm
Depth	35mm

WARRANTY

All Comark Instruments have a minimum one-year warranty unless otherwise stated. The warranty period for temperature probes is six months and all other probes and electrodes are unwarranted because the conditions of use are beyond our control.

The Comark warranty covers manufacturing defects and component failure and applies worldwide. The warranty does not affect your statutory rights.

In line with our policy of continuous development we reserve the right to alter any product specifications without notice.

All products are covered by our Quality Management System which is compliant with BS EN ISO 9001:2000 for the design, manufacture, supply, service, repair and re-calibration of electronic measuring instruments and equipment.

Comark has an accredited UKAS calibration laboratory for temperature and humidity measurement and can offer full service and recalibration facilities.

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