

Storm Controls

R-TYPE - Dash Mounted Vehicle Recorder

Product Brief:

Stand-alone solution to food regulation compliance .

Built to BS EN ISO9001:2000 standards.

Robust Cost Effective & Reliable

Sized to fit standard ISO radio housing (DIN E)

Memory Storage 128K standard

Light Weight 1.6 Kg.

Robust metal construction

Simple to install and wire

1- 6 Temperature sensor inputs and 4 events

Rugged construction and vibration tested to meet EEC regulations

Manufacturer's 2 years warranty.

Operates in 7 users selectable languages.

Full EMC compliance for emissions and perturbations.

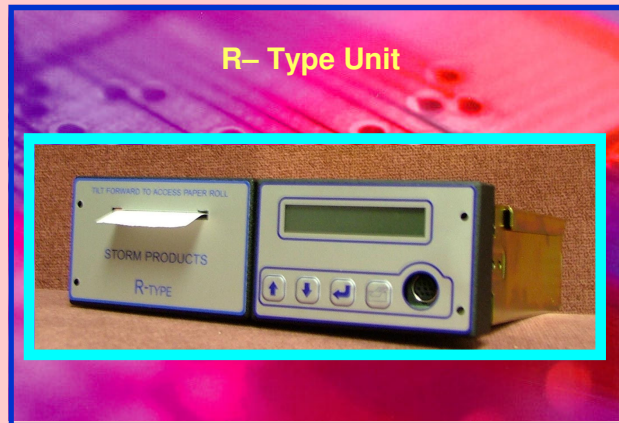
RS232 output for data download .

Interrogation software fully Windows 95, 98, 2000, ME, XP & NT (wkstn)

New "Print back from" facility.



DASHBOARD MOUNTED RECORDER



The **R-Type** range of recorders is based on many years experience in the design, manufacture and supply of temperature recorders to the refrigerated Transport and Storage industry.

The **R-Type** is versatility and cost effective and comes fitted with an integral printer to allow stand alone use.

The units RS232 I/O connector is fully compatible with any standard PC or laptop and interrogation and storage of the data can be accomplished using Storm's well proven **Cdata** graphics software that is compatible with Windows 95,98,2000, ME, XP and NT (wkstn)..

The range is stand-alone and designed to furnish Vehicle users with a cost effective solution towards meeting the stringent requirements of EEC food regulations.

The **R-Type** provides for 1- 6 temperature inputs and 4 events to be monitored and information on the required parameters stored in memory for print out and/or retrieval at a later date. The FLASH memory technology used guarantees no loss of stored data even after prolonged period of disconnection of the recorder supply.

The unit is menu driven giving the user a versatile array of languages, temperature ranges, alarms levels and other facilities, thereby allowing the user to customise the **R-Type** to their exact requirements.

There are a number of Display styles and Printout options that the user can select and the factory can install at the manufacturing stage at no extra cost.

So if your requirement is for a reliable and versatile in-cab recorder you can do no better than check out a Storm R-Type

We will be pleased to provide full specification of the product range and pricing against your requirement.

Storm R-Type Recorder with Printer & LCD Display

**Printer & Display Recorders
Radio Slot Sized Enclosure
R-Type**

Technical Specification

MEETS
EN12830 & UNE 82 500 STANDARDS

Input Voltage: 9 to 36 volts dc.
Sensor Channels: 1 to 6
Event Channels: Door Opening 2
Defrost 2

Electrical safety:
NF C 42-010 & EN61010-1
Electrical Perturbations:
NF C 46-023 & EN50081-1 & EN50082-1

Battery Back up:
Operating:
Data in memory: Indefinitely
Clock: Indefinitely
Stand-by:
Data in memory: Indefinitely
Clock: 10 years min

Temperature measurement range:
-40 to +50 Degrees Centigrade.

Sensor response time:
Less than 10 min at air flow of 1 metre/sec.
Resolution: Class 1 0.1 Degrees Celsius
Accuracy: Class 1 +/- 0.5 Degrees Celsius.

Storage Intervals: 0 to 1 Hour Adjustable

Clock Time Error: Less than +/- 0.1 %

Language Selection: English, French, German, Dutch
Italian, Spanish, and (Danish or
Portuguese)

Control Keys: 4 off

Display: 2 x 16 Super twist LCD

Monitor Environmental Specification

Temperature:
Operating : Unit -30 to +65 Celsius
Storage : Unit -40 to +85 Celsius
Humidity:
Operating: 5 to 95% non-condensing.
Non Operating: 5 to 95% non-condensing.

Enclosure Rating: IP20

Printer Unit & Environmental Specifications

Printer: 24 column Impact.
Print Speed: 1 line per second
Paper Roll Length: 15 metres

Temperature:
Operating : Unit 0 to +50 Celsius
Storage : Unit -10 to +60 Celsius

Humidity:
Operating: 5 to 80% non-condensing.
Non Operating: 5 to 95% non-condensing.

Shock Tests: EN 60068-2-27

Vibration Tests:
Frequency: 5 HZ to 150 HZ
Frequency Steps: 8.6 Hz.
Amplitude: 10 mm
Acceleration: 29.4 m/s/s =3g

Data Storage Capacity:
1-6 sensors 3 months per channel @ 15 min
recording intervals.

**Physical Dimensions
Fits :** Standard ISO Radio cut out (Din E)
(180 mm wide x 50 mm high)
Facia width: 187 mm
Facia Height: 56 mm
Depth less facia: 165 mm
Weight: 1.6 kg
Fittings: Radio security fittings
Enclosure material: Powder coated steel

Data Interface: RS232 9 Pin D connector 9600 baud

CEE Test Houses Cemagref, LNE, AENOR,
University of Paisley.

IE Interference Immunity Conformance
Radiated Emissions EN55022 (1987) Class B
Electrostatic Discharge EN 6000-4-2.
Radiated Immunity EN 6000-4-3
Fast Transient Bursts EN 6000-4-4.

Calibration: Self Calibrating

Quality Standards:
Design & Manufacture BS EN 9001:2000

Accessories
Standard Sensors:
Stainless steel bullet, cable sizes as required.

Cdata2008: Down load & interrogation Software:
fully Windows 95, 98, 2000, ME, XP & NT (wkstn) compatible .

USB to RS 232 Converter: Connects RS232 port to USB port.

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