

# Storm Controls Printman-2 Vehicle Recorder

## Product Brief :

*Printman-2 is the latest enhanced version of the ever popular Printman Original Recorder.*

*Now, using the new removable Menu Module, user settings such as date, time, alarm settings, vehicle registration numbers and company name can be changed at will direct from the Printman 2 unit, along with the ability to reach enhanced printer features and more.*

*The Printman 2 provides a simple and effective data storage solution for small vans and trucks in compliance with the latest European food regulations and directives.*

*Stand-alone solution to food regulation compliance at low cost.*

*Robust Cost Effective & Reliable*

*Small 135 x 90 x 70 mm*

*Light Weight 800 grams.*

*Robust Metal construction*

*Simple to install and wire*

*1-2 Temperature sensor inputs and 1 door opening input as standard. Now available with 2 additional sensors, alarm switch and defrost as factory fitted options.*

*Rugged construction and vibration tested to meet EEC regulations*

*Manufacturer's 2 years warranty.*

*Full EMC compliance for emissions and perturbations.*

*RS232 output for remote data download*



## PRINTMAN 2 RECORDER



### Storm Controls Ltd.

**Storm's latest enhanced Printman 2 recorder replaces the Printman Original in the Product range..**

This smart new version eliminates the hassle of changing user parameters such as date, time, alarm settings, vehicle registration numbers and company name using a computer or other external link, although these facilities are still available.

Instead, the new unit utilises a plug in Menu Module that allows full access to the user set up menu direct from the Printman 2 unit. To use this feature, simply remove the printer cover, plug the Menu Module into the RS232 port connector call up menu and alter the settings as required. When finished unplug the module and use it on other units as necessary or store away for use in the future.

Other enhanced P2 features available using the Menu Module include Print out of user settings, and access to the Print Back/From facility.

Also: The Printman 2 recorder has an extra 2 temperature channels , full alarm output, and defrost options available if required. Simply specify your requirements during the ordering process.

**The unit's low cost and user friendly performance, simple, installation and reliability set the standards in this very demanding market place.**

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

**Vehicle Recorder**  
**The Printman 2**

**Recorders  
Metal Enclosure  
PRINTMAN 2 RECORDER**

Technical Specification

MEETS  
EN12830 STANDARDS

**Input Voltage:** 9 to 36 volts dc.  
**Sensor Channels:** Standard 2 (1-4 factory option)  
**Event Channels:** Standard 1 Door  
( alarm & defrost factory options)

**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: 5 years min.

**Temperature measurement range:**  
-40 to +40 Degrees Centigrade

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

**Storage Intervals:** 0 to 1 Hour Software Adjustable

**Clock Time Error:** Less than +/- 0.1 %

**Language Options:** English or Spanish or Portuguese  
**(Factory Set)** other languages available on request.

**Control Keys:** 3

**Display:** None

**Recorder Environmental Specification**

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

**Enclosure protection:** EN 60529 rated IP20

**Printer Operation**

**Printer:** 24 column Impact.

**Print Speed:** 1 line per second  
**Paper Roll Length:** 15 metres  
**Paper Roll Life :** 6 months @ 1 hour intervals.

**Recorder:**  
**Shock Tests:** EN 60068-2-27

**Vibration Tests:** EN12830  
Frequency: 5 Hz to 8.6 Hz Sinusoidal  
Amplitude: 10 mm  
Frequency: 8.6 Hz to 150 HZ Sinusoidal  
Acceleration: 3g = (29.4m/s/s)  
Frequency Steps: 1 octave per minute

**Data Storage Capacity:**  
1-4 sensors fitted 6 months  
At 30 minute storage intervals

**Physical Dimensions**  
Width: 90 mm  
Height: 135 mm  
Depth: 70 mm  
Weight: 800grams  
Fittings: 4 screw fixing  
Colour: Beige  
Enclosure material: Powder Coated steel

**Data Interface:** RS232 9 Pin D connector 9600 baud

**ICE Interference Immunity Conformance**  
Radiated Emissions EN55022 (1987) Class B  
Electrostatic Discharge EN 61000-4-2.  
Radiated Immunity EN 61000-4-3  
Fast Transient Bursts EN 61000-4-4.

**Calibration:** Self Calibrating

**Quality Standards:**  
Design & Manufacture BS EN 9001:2000

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

**RS232: for remote data transfer & Menu Module connection.**

**Menu Module :** Removable plug in Menu access module for user parameter setting direct from Printman 2 keypads.

**Down load & interrogation Software:**  
**Cdata 2008:** Data Download & Interrogation Software for PC or Laptop Windows 95, 98,2000, XP and NT compatible.

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