

**IP65 Rated Recorders with Printers
Stainless Steel & Polycarbonate Enclosures
Virgo - Range**

Technical Specification

MEETS
AFNOR E18-150 & EN12830 & UNE82500
STANDARDS

Input Voltage: Vehicle Version: 9 to 36 volts dc.
Cold Store version: 220/240v 50/60 Hz ac
with adapter

Sensor Channels: 1 to 6
Event Channels: Doors : 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: 5 years minimum.

Data Storage Memory size:
Readings before roll over:
Standard 7592/Channel

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 Cent.
Accuracy: **Class 1** +/- 0.5 Degrees Cent.

Storage Intervals: 1 to 60 minutes adjustable

Clock Time Error: Less than +/- 0.1 %

Language selection: English, French, German, Dutch
Italian, Spanish, (Danish or
Portugese)

Control Keys: 4 off

Display: 2 x 16 Super twist

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

Monitor Environmental Specification

Temperature:
Operating : -30 to +65 Celsius
Storage: -40 to +85 Celsius

Printer Environmental Specification

Operating: -10 to +50 Celsius
Storage -20 to +60 Celsius
NB. Heater kit available for operation of printer to – 30C.

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

Enclosure protection: EN 60529 rated IP65

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: 160 days (Standard)

Physical Dimensions	Metal	Polycarbonate
Length:	230 mm	213 mm
Height:	182 mm	180 mm
Depth:	85 mm	110 mm
Weight:	2.4 Kg.	1.6 Kg
Screw Fittings:	4	4
Colour:	White	Grey
Enclosure material:	Stainless Steel	Polycarbonate

Data Interface: RS232 9 Pin D connector 9600 baud

CEE Test House : **The University of Paisley
& CITS**

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 BSI ISO 9001:2000

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

Cdata : Down load & interrogation Software:

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