Euroscan X3 series

Temperature Recorders for Cold Chain Compliance

Industry-leading temperature monitoring and compliance for the transportation of temperature-controlled cargo

ORBCOMM's Euroscan temperature recorders enable temperature monitoring and proof of compliance from origin to destination for food, pharmaceuticals and other temperature-controlled cargo.

As part of a comprehensive cold chain telematics solution that includes sensors, connectivity and the ColdChainView web application, the Euroscan X3 series delivers printed or electronic temperature records, real-time event-based alerts, advanced reports and analytics, geofences and more.

Available in two configurations:
Euroscan TX3: rugged case for installation outdoors
Euroscan RX3: compact for installation inside the cabin

Regulatory compliance
ORBCOMM's Euroscan X3 series meets the highest requirements of local and international regulations and guidelines for the transportation of food and pharmaceuticals—GAMP 5 (Good Automated Manufacturing Practice established by the pharmaceutical industry), HACCP (food safety), EN 12830 Class 1, CE, R&TTE and PTCRB.

Feature-rich
The temperature recorders feature an integrated printer, a large display, an easy-to-use interface, multi-language support, a built-in accelerometer and more. In addition to on-demand printed temperature records, The Euroscan RX3 gives drivers access to status reports right from the cabin.

Access real-time and historical reports and run analytics on asset performance, utilization and status to increase operational visibility, enable more efficient business planning and gain a better return on investment. Receive and manage temperature, intrusion, geofence and maintenance alerts in real-time through the built-in display or the ColdChainView application to ensure timely corrective measures are taken.

The Euroscan X3 series supports up to 6 sensors, making it ideal for multi-compartment trailers with different temperature requirements. ORBCOMM's X3 series is compatible with refrigerated units from most manufacturers.

Proof of cold chain compliance

Integrated printer

Easy to use and install

Event-based alarms

Multi-temperature compartment support

Compatible refrigeration systems

- Carrier
- Thermo King
- Mitsubishi
- Konvekta

Operating voltage

- 10 - 32 V with load dump protection

Power

- Consumption: nominal value 0.6 W, max. 25 W (while printing)
- Low power mode capability

Environmental

- Operating temperature: -30 °C / +70 °C
- Maximum temperature: -40 °C / +85 °C
- Euroscan TX3: IP65
- Euroscan RX3: IP20

Humidity

- Relative humidity: 97% at 25 °C

Memory size

- Memory size: 8 MB, minimum 1 year with 2 sensors on a 15 min logging interval

Interfaces

- Inputs: 6 temperature sensors (-50 °C / +70 °C)
- Digital inputs: 1 digital for display background light, active >5 VDC, 4 closed circuit
- Open output: 1 switched to ground and current limited to 1A
- 3-axis accelerometer

Bluetooth

- Data transmission to EuroTool service software and service/parameter programming via Bluetooth

External interfaces

- Data ports: 2 RS-232 connectors for external devices
- CAN Bus: 1 port

Cellular communications

- 3G HSPA

Dimensions

- TX3: 225 x 185 x 111,7 mm (8.86" x 7.28" x 4.4")
- RX3: 186 x 58 x 150 mm (7.32" x 2.28" x 5.91")

Compliance

- EN 13468, CLASS 1
- -852/2004 AS OF 1.1.2006
- HACCP
- GAMP 5
- CE
- R&TTE
- PTCRB

Certification

- EN 12830, class 1
- E-13 type approval to 95/54/EEC

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CONNECTING THE WORLD'S ASSETS