

NEW MULTI-FUNCTIONAL - MODULAR SYSTEM SOLUTIONS FOR THE TRANSPORT MARKET **HALL 3A STAND 3275**

EUROSCAN, the leading supplier of system solutions in the area of mobile temperature monitoring in the world, have added the Euroscan MX1 product to their existing Modular Systems Solutions.

Charles McGilvray, Operations Director of Euroscan UK explained that: The Euroscan MX1 product can now cover all sorts of different monitoring demands, offering solutions for all transport processes. The addition of the Euroscan MX1, to the already established Euroscan range of modular products, offers you the possibility to set up and configure a complete solution according to your individual requirements. The system caters for all means of transport, applicable to Automotive, Railway or Shipping whether refrigerated or dry goods.

The introduction of the MX1 modular product offers a flexible solution, with the addition of independent modular hardware, which offers a complete bespoke solution in processing information for all types of business. The process monitoring capability allows intervention as required, Data transfer options for data storage, ensuring better quality management and reporting, offering compliance with the requirements to produce all necessary documentation as proof of conformity.

Modular & Hardware independent Solutions:

You can decide whether you need a display to show the values of the connected inputs, a printer to print current values or all recorded values (graphical/numerical), or whether you do not need any external devices and only rely on automatic data transfer using one of the multiple communication modules. You can choose between integrated communication solutions or communication solutions based on devices connected to one of the external interfaces. It is your decision whether you choose a Euroscan made communication solution or one of the plenty available partner solutions. Data can be transferred globally using the mobile phone network (GPRS) or locally using local area data transmission at a depot. Data can be transferred into Euroscan made Software Solutions both local and central solutions, as well as into hosted services. It can also be transferred directly into third party solutions or indirectly using an interface between a Euroscan SQL Database and a third party solution.



Euroscan MX1:

- Tracking / Tracing device (refrigerated or Dry freight)
- External GPRS/GPS module for all Euroscan, Transcan and DataCOLD 500 recorders
- Temperature recorder only:
 - Simple Temperature Recorder with all communications options
 - Integration with different Telematics devices possible via RS232 or CAN bus
 - Compatible with Euroscan Windows and / Web software
- External GPRS/GPS to be connected direct to the controller for remote service access (reefer management)

FEATURE: CV SHOW PREVIEW

Temperature Recorders:

The Euroscan X2 – “New Intelligent Generation” of Temperature Recorders benefit from the latest advances in technology, to satisfy the ever increasing requirements of the refrigerated marketplace.

Inputs and Outputs:

- Upated multi processor with parallel processing/multi-tasking
- 6 temperature inputs (for multi compartment functionality),
- 4 status inputs for door contact, defrost, refrigeration, etc.
- 2 alarm outputs for temperature or status alarm
- 4 com ports: two internal & two external plus additional IR-Port
 - 1 x Infrared port
 - 2 x RS232 for external devices i.e. board computer, refrigeration control, Bluetooth modem, 3rd parties etc.
 - 2 x RS232 internal for ad-on modules i.e. DECT/GSM/GPRS
- Extra CAN bus connection optional-diagnostic capture
- Faster processor 32 bits 24 mhz
- Flash memory for up to 3 years data storage

The products are designed and developed to allow these options to be offered as required, either at initial supply, or upgraded retrospectively, with the minimum of effort.



Fridge Types:

Euroscan products are fully integrated with ALL fridge types. Euroscan recorders can be connected to any Fridgepack. You are not constrained in the choice of Fridgepack manufacturer or bodybuilder.

- On the software side Euroscan are now able to display data from TK, Carrier, Mitsubishi and Frigoblock.
- On the recorder Euroscan can connect to all fridges except Carrier where the DataCOLD recorder is mandatory.
- Euroscan can download remotely via Bluetooth or GPRS all actual Transcan recorders, which means a mixed fleet with customers is not a problem any more for Euroscan. The customer can be supplied with all communications and back office software/web software.

The Euroscan system tells you whether your fridge pack is adjusted correctly, whether it works like it should work, the door is open as long and as often as you have expected it to be open, air is free to circulate.

Conforms to ...

- EN 13486, Class 1
- 37/2005 (as of 2.2.2005)
- 852/2004 (as of 1.1.2006)
- 93/43/EEC
- HACCP

Certified to ...

- EN 12830, Class 1
- 92/1/EEC
- TLMV
- “e-4 type approval” to 95/54/EEC

2nd Generation Web Solution

Euroscan EuroWEB 2 is an interactive mapping facility. Interactive means that in the Web application once you have opened a map you can:

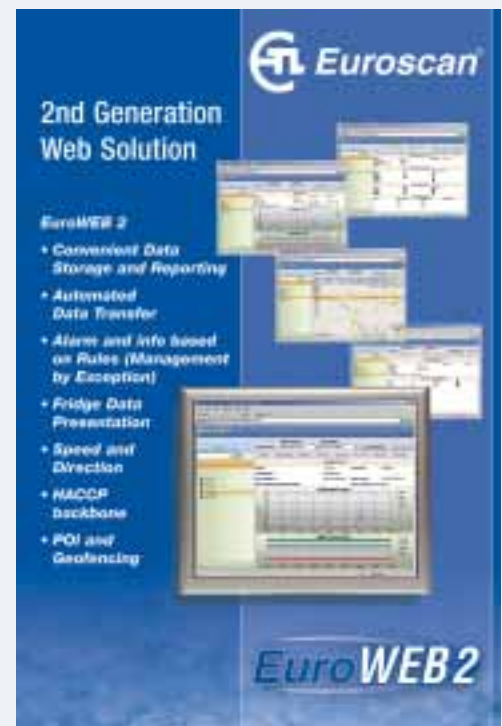
- Zoom in and out without refreshing the page
- Mouse over the historical routing of a vehicle you get detailed – Speed, Direction and Temperature information
- Switch to Satellite map image

Other functions:

- Show vehicle state moving or stationary
- Look up historical temperatures in Numerical or Graphical format, positions and events
- Analyse historical temperatures
- Configure Alarms
- Change Recorder Settings (parameters)
- POI geo-fencing i.e. Depots - Customer locations – Services

Geo fencing:

- Create Point of Interest (hot spot)
- Generate a message (email, sms) when a vehicle is coming in range or goes out of range of a POI
- Generate reports with arrival times and temperature conditions at POI – normally a Supermarket or Depot where goods are dropped.



Process monitoring, intervention and data storage/documentation

According to the new EU Law 852/2004 everybody involved with the transport of chilled or deep frozen food is bound to set up and maintain a Quality Management System based on the principals of HACCP. To do so involves the need to gain data and information reflecting your critical processes. Not only is it important to define the optimal system including a fridge pack with enough power, a body with the necessary ATP classification, it is also important to think about airflow support systems (channels/profiles...), partition walls... .

The Quality Management System should enable you to measure the efficiency of your system, it should enable you to identify repeating or specific problems in your process chain and to obtain and store the relevant documentation.

With the changes in food legislation and the new General Food Law being fully implemented on the 1st January 2006, more and more UK companies are deciding on Euroscan products to provide a solution to satisfy the far reaching requirements for their business to comply. The changes identify that a transporter is now considered as a food processing operator with its corresponding obligations and liability.

Euroscan manufactured products have many features already integrated that are not available on other manufacture's instruments.

For more information check the Euroscan website at www.euroscangroup.com Email enquiries: UK@Euroscangroup.com or contact: Charles McGilvray Euroscan UK Ltd. on 07795 211 222 RE28