Carrier
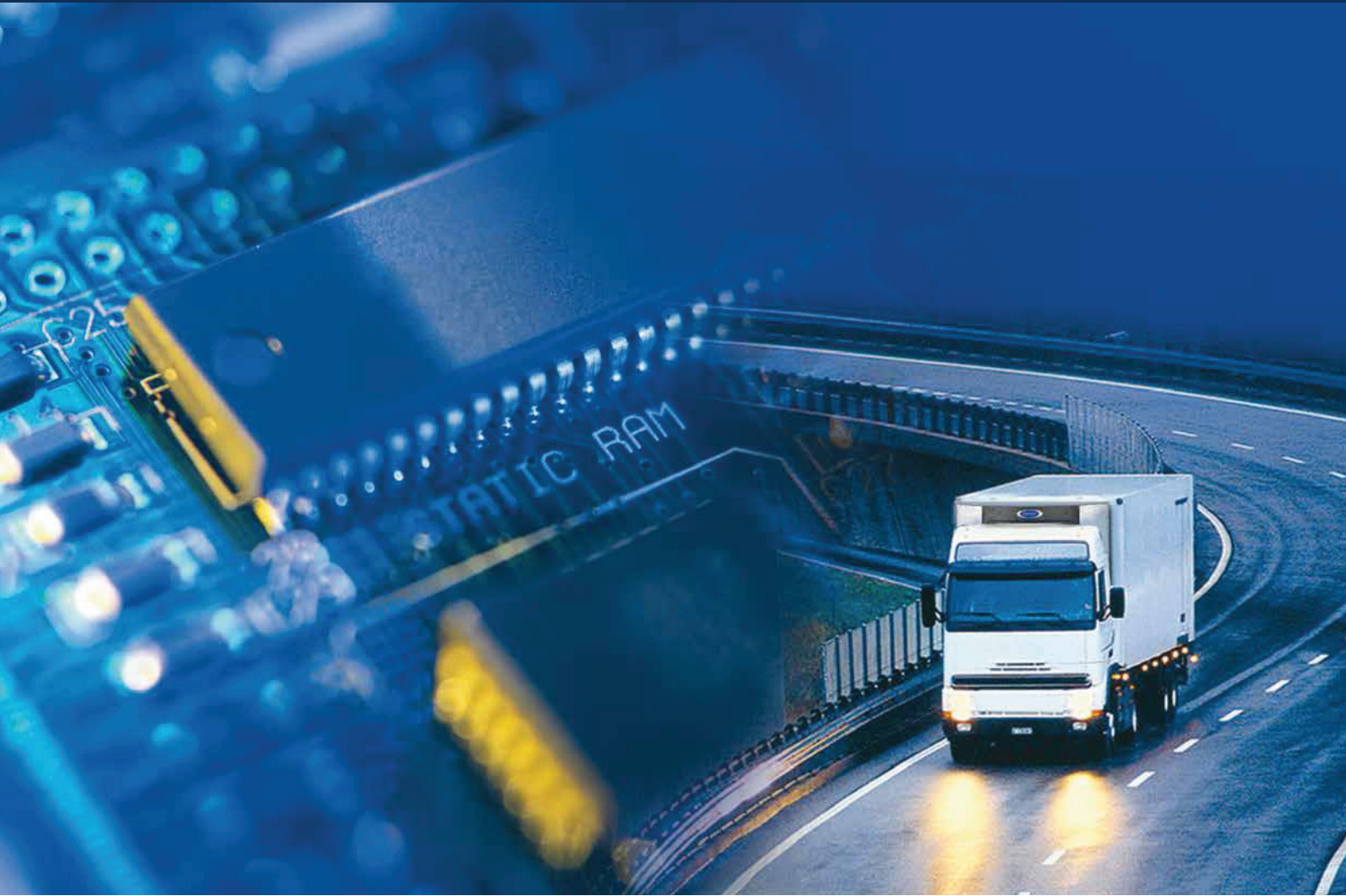
T R A N S I C O L D

United Technologies

DataCOLD™

Monitor, control and add visibility to your cold chain with DataCOLD™ temperature recorders for refrigerated transport.

YOU CARRY
WE CARE

Our range

With an ever increasing focus on public health, temperature traceability of cargo is a major issue for refrigerated transport.

Carrier Transicold is responding to the challenge with a range of temperature recorders designed to help meet today's regulations and bring visibility to your cold chain.

DataCOLD™ 100

Your first step on the road to compliance

SIMPLE

Plug in to independently record temperatures from 6 sensors.

CONVENIENT

Leave the recorder and return later to retrieve log files with a USB key.

DataCOLD™ 300

Providing advanced temperature control

COMPREHENSIVE

In addition to norm compliance, includes advanced features such as a thermal printer for supplying delivery tickets.

PRECISE

External independent sensors and Carrier-designed alarm logic give you control of load temperatures.

DataCOLD™ 600

Designed for connectivity

SOPHISTICATED

All the features of the DataCOLD™ 300 recorder with the benefit of extra information sourced from Carrier units and additional sensor inputs and outputs.

CONNECTABLE

Links up with Carrier reefer units to provide relevant operating alarms, including defrost delays and set point based alarms.

ACCESSORIES

Choose from a range of accessories to ensure you have just the right temperature control to meet your needs:
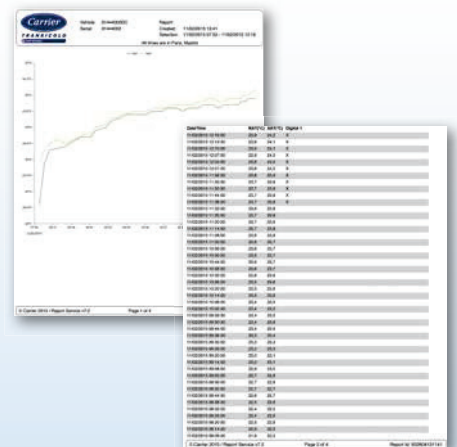
		DataCOLD™ 100	DataCOLD™ 300	DataCOLD™ 600
Extra temperature sensors		■	■	■
Handheld sensors			■	■
Temperature			■	■
Humidity sensors		■		
Computer communication cables, including	USB	■		
	Wireless technology		■	■
	Serial			■
GPRS upgrade				■

Graphics and numerical reports are automatically generated with the software package.

DATACOLD™ 300 /600 AND YOUR PC

As a real data acquisition system, DataCOLD™ recorders come with a DataLOG PC tool that helps you centralise and analyse data recorded by your Carrier temperature recorders.

DATACOLD™ 100 AND YOUR PC

DataCOLD™ 100 recorders come with a different PC tool set that enables you to run numerical reports and extract to Excel® software for plotting graphs or PDF

Specifications

DataCOLD™ 100

SENSORS
6 temperature sensors
4 digital inputs for recording door openings

MEMORY
1 Mo (1 year record with 6 sensors at 15 minutes intervals)

USB
Retrieve data with a key or connect to PC with USB cable

DIMENSIONS
130x130x45 mm

DataCOLD™ 300

SENSORS
2 temperature sensors
1 digital input for recording door openings

MEMORY
512 KBYTES (1 year record with 2 sensors at 10 minutes intervals)
Intervals can be adjusted between 1 and 60 minutes

DISPLAY AND KEYPAD
Backlit LCD screen with 80x16 dots
4 soft keys for easy use

THERMAL PRINTER

LANGUAGES
English, French, Dutch, German, Italian, Spanish, Portuguese, Swedish, Danish, Hungarian, Slovakian, Romanian, Croatian, Slovenian, Bulgarian, Polish, Turkish

DIMENSIONS
300 T (Trailer): 245x202x110 mm
300 R (Radio format): DIN size (188x58x145mm)

DataCOLD™ 600

SENSORS
6 temperature or humidity sensors
4 digital inputs for recording door openings
1 digital output to enable alarm lights

MEMORY
8 Mo (1 year record with 4 sensors at 15 minutes intervals)
Intervals can be adjusted between 1-60 minutes

DISPLAY AND KEYPAD
Backlit LCD screen with 122x32 dots 4 soft keys for easy use

THERMAL PRINTER

LANGUAGES
English, French, Dutch, German, Italian, Spanish, Portuguese, Swedish, Danish, Hungarian, Slovakian, Finnish, Slovenian

DIMENSIONS
600 T (Trailer): 245x202x110 mm
600 R (Radio format): DIN size (188x58x145mm)

PRODUCT RANGE TIERS

	DataCOLD™ 100	DataCOLD™ 300	DataCOLD™ 600	COLDTRANS™
STORE TEMPERATURE DATA	■	■	■	■
SHARE LOG FILES	■	■	■	■
ANALYTICAL & ALARM ENGINE		■	■	■
PRINT DELIVERY TICKETS		■	■	■
COMMUNICATION WITH CARRIER UNITS			■	■
REAL TIME, WEB-BASED REPORTS				■

European Regulations

The DataCOLD™ ™ range is fully-compliant with the European regulation for transport of frozen food (EN12830). Sensors have been calibrated at the factory (EN13485) and it is recommended to check that the sensors are correctly calibrated every two years (EN13486). You can contact your local Carrier Transicold representative to organize a calibration test.

The DataCOLD™ range has also been tested and approved for the electromagnetic compatibility Directive 72/245/EEC as last amended by R10 regulation.

European regulations are enforced in all countries by law, however, local laws may be more strict.

FOOD LAW: RE 178/2002

RE 37/2005: TEMPERATURE CONTROL
(EN 12830, EN 13486)

MAD COW DISEASE: CREATION OF BS EN12830	FOOD LAW CREATION	EUROPEAN REGULATION 37/2005	INTEGRATION OF EN12830 IN ATP REGULATION
1999	2002	2005	2010

Transport refrigeration is controlled by regulation 37/2005:

EN12830: all vehicles must have independent temperature recorders.
EN13486: calibration of recorders must be checked every 2 years.
Products: chilled, frozen, deep-frozen, quick-frozen food including ice cream, prepared meals and prepared meat.
Perimeter: varies by country (for example, over 80km or more than an 8 hour drive).

The recorders comply with good distribution practices, including HACCP and other quality management systems for the transportation of refrigerated food.