



DATA COLD®

MONITOR, CONTROL AND ADD
VISIBILITY TO YOUR COLD CHAIN
WITH DATA COLD® TEMPERATURE
RECORDERS FOR REFRIGERATED
TRANSPORT.

Carrier
TRANSICOLD

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.
Class 2 between -20°C to +30°C



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.
Class 0.5 between -25°C and +7°C
Class 1 between -40°C to +50°C

NEW



COMPREHENSIVE

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

PRECISE

External independent sensors and Carrierdesigned alarm logic give you control of load temperatures.

DataCOLD® 600

Designed for connectivity.
Class 0.5 between -25°C and +7°C
Class 1 between -40°C to +50°C



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:

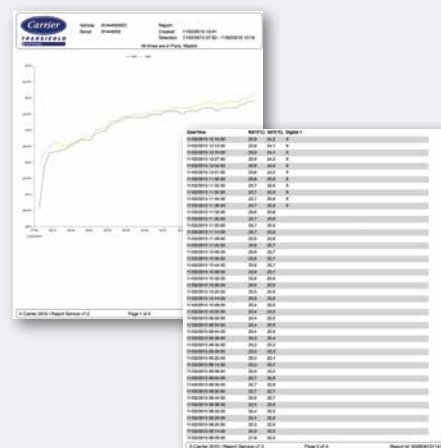
		DataCOLD® 100	DataCOLD® 300	DataCOLD® 600
Extra temperature sensors		■	■	■
Handheld sensors			■	■
Temperature			■	■
Humidity sensors				■
Computer communication cables, including	USB	■		
	Wireless technology		■	■
	Serial			■
GPRS upgrade				■
Back and side door switch		■	■	■

DATA COLD® 300 /600 AND YOUR PC

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

DATA COLD® 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



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

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

130 x 130 x 45 mm

DataCOLD® 300



SENSORS

2 temperature sensors
1 digital input for recording door openings
2 handheld sensors

MEMORY

512 Kbs (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, Czech

DIMENSIONS

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

DataCOLD® 600



SENSORS

6 temperature or humidity sensors or handheld sensors
5 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, Czech, Polish, Croatian, Turkish, Serbian

DIMENSIONS

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

PRODUCT RANGE TIERS



DataCOLD® 100

DataCOLD® 300

DataCOLD® 600

STORE TEMPERATURE DATA



SHARE LOG FILES



ANALYTICAL & ALARM ENGINE



PRINT DELIVERY TICKETS



COMMUNICATION WITH CARRIER UNITS



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's recommended to check that the sensors are correctly calibrated periodically (EN13486). It should be defined with/by the end user. Carrier usually recommend to define a periodic verification every year. However, you have to refer to your local laws that could be different and/or more restrictive.

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.



Transport refrigeration is controlled by ATP & regulation 37/2005:

EN12830: all vehicles shall have independent temperature recorders.

EN13486: The calibration of recorders must be checked periodically. It should be defined with/by the end user. Carrier usually recommend to define a periodic verification every year. However, you have to refer to your local laws that could be different and/or more restrictive.

Products: 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.



In 2018, EN12830 has been updated. It was recommended that the set be qualified and verified for a measurement accuracy of $\pm 0.5^{\circ}\text{C}$. As a result, Carrier Transicold DataCOLD® 300, which was previously class 1, passed the qualification and acquired class 0.5