T-PRINT, T-PRINT-2 TEMPERATURE DATALOGGERS WITH BUILT-IN PRINTER

Datalogger T-PRINT is designed for logging temperature from one external probe into its internal memory. Datalogger T-PRINT-2 logs temperature from two external probes. Anytime it is possible to print out the record on the built in needle printer. The result is a hardcopy on the strip of paper of 58mm width. Format is numerical with date, time, place of measurement (vehicle, cold store). It is possible to repeat the print out from the last stored temperature to the past until a button is pressed to stop printing. Consequently it is easily possible to print out a hardcopy of transport conditions to every client.

It is also possible to transfer logged data into a PC. Then it is possible to analyze and print out temperature in numerical and graphic format. The PC software enables to erase datalogger memory, set logging interval, set internal real time clock. It also enables to enter the place of measurement (vehicle) to printout heading. After datalogger memory is full, datalogging continues and the oldest stored values are cyclically being replaced by the Newest.

The T-PRINT datalogger memory is fulfilled in 40 days of continuous record with logging interval of 5 minute or 4 months with 15 minutes sampling interval. Memory fulfilling times of dual channel datalogger T-PRINT-2 are 20 days/5minute interval and 2 months/15 minute interval.

TECHNICAL PARAMETERS

Measuring temperature range:	-50 to +250°C
Operating temperature range:	-30 to +65°C
Operating temperature range of the printer:	-20 to +65°C
Temperature sensor type:	RTD Ni1000, 6180ppm/°C
Accuracy of the input without probe:	±0.2°C from -50 to +100°C, ±0.2% from reading +100 to +250°C
Resolution:	0.1°C
Connector for temperature probe:	CINCH
Logging interval:	1 minute to 24 hours, user adjustable
Memory capacity:	12192 values of temperature maximum
Power:	9 to 32V dc, protected against alternator load shedding + internal lithium battery 3.6V, 5 years of minimum life - internal clock back-up
Current consumption during print-out:	peak 2 A
Current consumption - not printing:	approximately 50 mA
Dimensions (H x W x D), weight:	180 x 123 x 66 mm, weight 600 grams
Protection:	IP 20

Tested by accredited laboratory in accordance with the European Standard EN12830 - Temperature recorders for the transport, storage and distribution of chilled and frozen food.

It is necessary to order temperature probe with the Ni1000/6180ppm sensor. Recommended is the multi-purpose watertight probe N1ATG8U/C on the PVC cable with Cinch connector. Range of the probe -30 to +80°C. Please specify required cable length 5, 10 or 15 meters.

Warranty: two years

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COMET T-PRINT-2          V1.1
SERIAL NUMBER: 99180039
PLACE: VEHICLE *BN CC 230*
PRINT: 12.01.2001 12:16
INTERVAL: 1 min.

T1(˚C): FROZEN SECTION
T2(˚C): CHILLED SECTION

12.01.2001    T1      T2
  10:20      -21.2    6.1
  10:25      -21.3    6.0
  10:30      -21.2    6.1
  10:35      -21.1    6.0
  10:40      -21.2    6.1
  10:45      -21.3    6.2
  10:50      -21.2    6.1
  10:55      -21.3    6.0
  11:00      -21.2    6.1
  11:05      -21.3    6.0
  11:10      -21.2    6.1
  11:15      -21.1    6.2
  11:20      -21.2    6.1
  11:25      -21.3    6.2
  11:30      -21.2    6.1
  11:35      -21.3    6.0
  11:40      -21.2    6.1
  11:45      -21.3    6.0
  11:50      -21.2    6.1
  11:55      -21.1    6.0
  12:00      -21.2    6.1
  12:05      -21.3    6.2
  12:10      -21.2    6.1
  12:15      -21.3    6.0
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Datalogger is designed for installation at driver`s cabin. Connected temperature probes are located in chilled or frozen space. Anytime it is possible to print out the record. Low cost operation is the advantage. Needle printer requires only usual paper in 58mm rolls of 30 meters length. One roll of the paper enables to print out 9000 lines of record. Life of ribbon cassette enables to print out 3 rolls of paper.

Included accessory: calibration certificate from the manufacturer, PC cable, internal Lithium battery 3.6V for supplying the internal clock, ribbon cassette, roll of paper, self adhesive Dual Lock for easy installation. Free Windows program is ready to download at www.cometsystem.cz Program enables to control all logger functions and viewing and printing of data in numerical and simple graphic formats. It is possible to export data to dbf or txt formats.

Optional accessory:
- **SW100** - CD with free PC program
- probes with Ni1000/6180 RTD sensor with Cinch connector
  - probe marking followed by letter /C
- **MP006** - RS232/USB converter for communication with the PC via USB port
- **A1536** - mains ac/dc adapter 230V-50Hz/12V-500mA
- **A4203** - spare Lithium battery 3.6V
- **PR002** - spare roll of paper for printer, width 58mm, length 30m 9000lines of record
- **DPN-290BL** - spare ribbon cassette for printer, life 3 printed out rolls of paper
- **SWR004** - optional software for Windows color print, vertical and time zooming of graphs and other functions

Warranty: two years