T-PRINT - temperature recorder for semi-trailer with wireless output
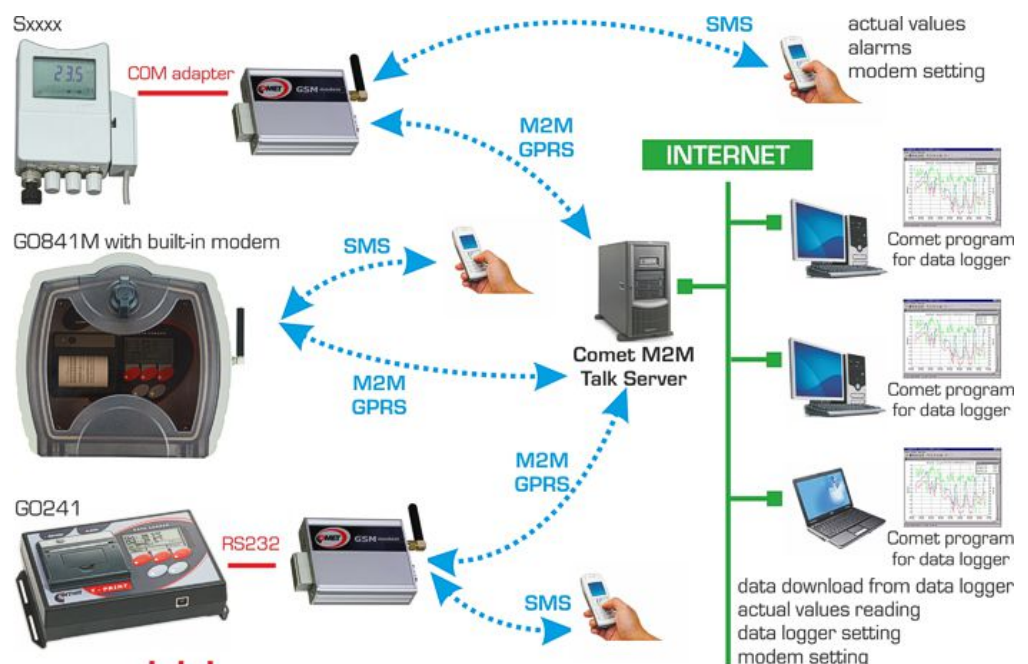
code: G0841W
Complete solution for temperature record during the transport.

The device **includes Traceable calibration certificate** with declared metrological traceability of etalons is based on requirements of **EN ISO/IEC 17025 standard**.

• print-out of temperature record during transport of food, pharmaceuticals, flowers, live animals and other goods
• designed specifically for external installation on semi-trailers
• easy installation

Features

Advantages of Dataloggers:

• record from one or two temperature probes

- delivery Ticket, Journey Ticket and Multi Day printouts
- selectable numerical and graphical print-out
- print from the last record to the history till button is pressed
- print up to set hour in current day
- print of set number of hours to the history
- fast print to usual 57mm thermo paper in 10m rolls
- large graphic illuminated display
- indication of temperature exceeding by LED and acoustically
- approximately 3400 record lines/one paper roll
- record of actual or average values
- calculated MKT - mean kinetic temperature for storing of pharmaceuticals in the PC program
- cyclic record - after filling the memory oldest records are overwritten by new
- no need to download data - large 1MB memory stores up to 5 years of record permanently in memory
- USB interface for record download to the PC
- free PC software
- fifteen selectable languages, e.g. English, German, French, Italian, Polish, Dutch, Spanish, Portuguese, Romanian, Czech
- degrees of Celsius and Fahrenheit
- included traceable calibration certificate
- TÜV SÜD certified to conform to EN 12830, Class 1 and EN 13486, Class 1 for the transport of food
- [ATP certificate](#) - Agreement on the International Carriage of Perishable Foodstuffs and on the Special Equipment to be used for such carriage

Included in delivery:

- Traceable calibration certificate with declared metrological traceability of etalons is based on requirements of EN ISO/IEC 17025 standard
- Quick start manual
- Free basic Windows software is ready to download at folder [Download](#)

FEATURES OF GSM COMMUNICATION:

1. Wireless communication with Gxxxx recorders via GPRS

- Remote data download from recorder
- Recorder configuration (setting, erasing of data, etc.)
- Reading of actual values (online display mode)
- All actions available as via COM/USB cable
- Connection realised via M2M Talk server
- Communication via M2M server can be disabled, if data download is not required = saving of cost (no need to pay data tariff)

2. SMS queries about actual values

- Sending of SMS query to modem telephone number returns actual values. After receiving of SMS query modem sends by return required info in SMS message.
- It is possible to limit phone numbers SMS commands are sent from. Same it is also for configuration-service SMS commands.

3. Alarm SMS messages - modem sends to phone numbers alarm SMS messages:

GSM Communication
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- If upper/lower limit of measured value is exceeded.
- Information on filling of the recorder memory (90% and 100%).
- Information on recorder on/off.
- Error messages (communication error with recorder, internal clock error, measured value error).

4. Setting of modem

a) Local - service setting via RS232 link from user program:

- Setting of configuration
- Download and erasing of diagnostic log file from modem
- Upload of new firmware to modem

b) Remote - via M2MTalk server from user program

- Setting of configuration
- Download and erasing of diagnostic log file from modem
- Log out from M2MTalk server
- Restart of modem

c) By means of SMS message

- Update of application in modemu
- Detection of description and firmware version in GPRS modem
- Detection of GSM status
- Enable/disable of alarm evaluation
- Setting of GPRS parameters for connection
- Setting of parameters of M2MTalk server
- Log in and log out with M2MTalk server
- Halting of application in modem
- Restart of application in modem

Included in delivery:

- Traceable calibration certificate with declared metrological traceability of etalons is based on requirements of EN ISO/IEC 17025 standard
- Built-in GSM modem
- GSM external antenna with 3m cable and holder
- Lithium battery 3,6V, size AA
- Quick start manual
- Free basic Windows software is ready to download at folder Download

Technical Data

Technical parameters	Value
Measured Value	Temperature
Construction Type	For External Temperature Probes Pt1000
Temperature Measuring Range	-90 to 260 °C
Two-State Input	Yes
Lcd Display	Yes
Built-In Printer	Yes

Operating temperature range	-30 to +65°C
Accuracy of temperature input without probe	±0.2°C
Resolution of the reading	0.1°C
Digital output	serial RS232
Real time clock	year, leap year, month, day, hour, minute, second
Data logging interval	adjustable from 1 minute to 60 minutes
Total memory capacity	1MB - up to 172 000 records
Dimensions	250 x 242 x 110 mm (W x H x D)
Power	9 to 32 V dc, protected against alternator load shedding + internal Lithium battery
Consumption while printing	approximately 8 W
Consumption - not printing	approximately 0.2 W
IP protection	IP65
Weight without probes	approximately 1650 g
Warranty	3 years