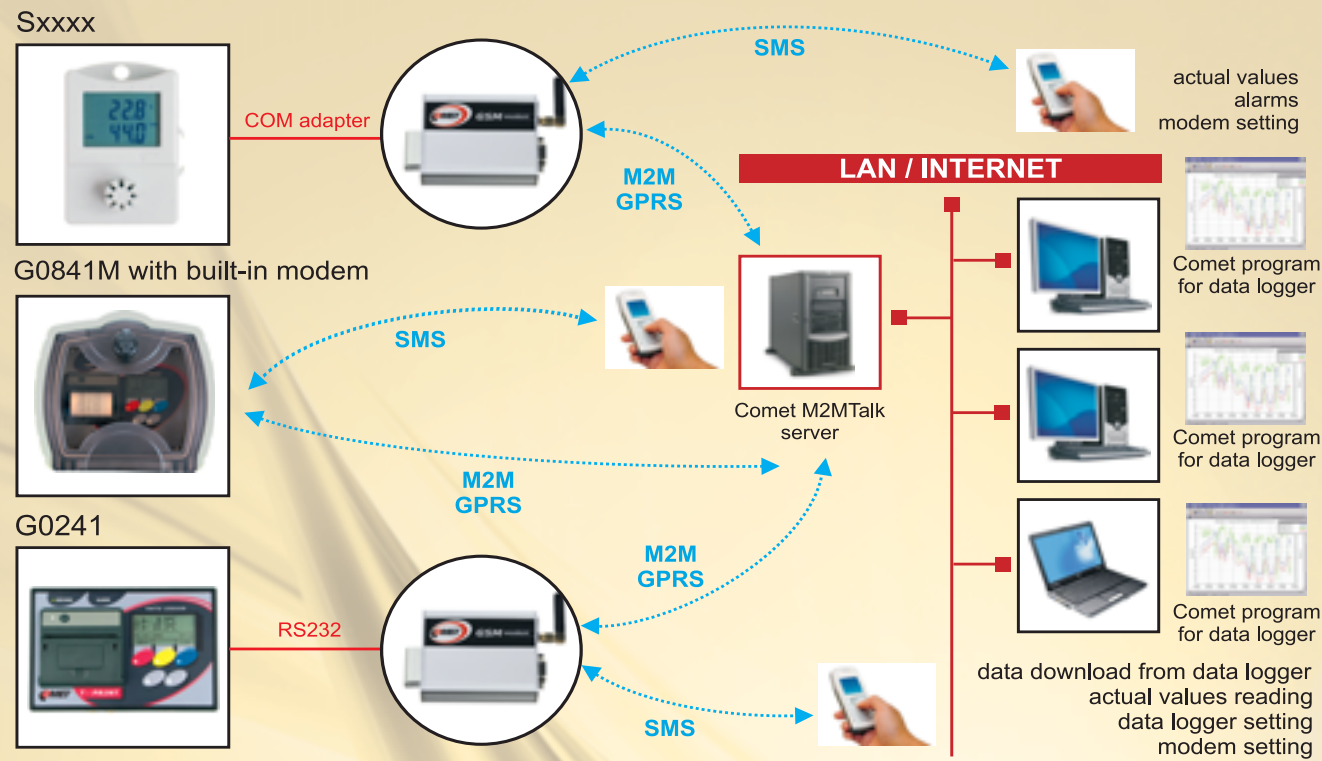


## Wireless communication with loggers via gsm



# Solution for Temperature Record During Transport

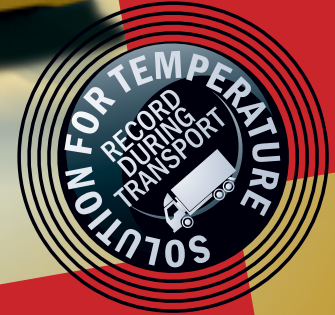


### KIT - GSM - L for Sxxxx, Rxxxx loggers

- LP040 - GSM/GPRS modem
- MP009/1 - Antenna 3dB for modem
- A1940 - AC/DC adapter for modem
- LP002 - COM adapter
- QMS2901 - cable for modem setting

### KIT - GSM - G for G0241 temperature recorder

- LP040 - GSM/GPRS modem
- MP009/1 - Antenna 3dB for modem
- LP010 - set of power cable and RS232 cable for GPRS modem connection to G0241 recorder
- QMS2901 - cable for modem setting
- MD036 - self adhesive Dual Lock for modem easy installation



- record of temperature • print-out • acoustic and optical signalization
- included traceable calibration certificate • HACCP
- TÜV SÜD certified





## TEMPERATURE RECORDERS WITH BUILT-IN PRINTER

TÜV SÜD certified to conform to EN 12830, Class 1 and EN 13486, Class 1 for the transport of food

- » included calibration certificate with declared metrological traceability of etalons is based on requirements of EN ISO/IEC 17025 standard
- » designed for external installation on semi-trailers (models G0841, G0841W) and for installation in driver's cabin (models G0221E, G0241)
- » fifteen selectable languages
- » record from one or two temperature probes
- » RS232 link for GSM modem connection – G0841, G0841W and G0241 models
- » selectable numerical and graphical print-out
- » delivery Ticket, Journey Ticket and Multi Day printouts
- » fast print to usual 57mm thermo paper in 10m rolls
- » approximately 3400 record lines/one paper roll
- » large graphic illuminated display
- » indication of temperature exceeding by LED and acoustically
- » record of actual or average values
- » USB interface for record download to the PC
- » calculated MKT - mean kinetic temperature for storing of pharmaceuticals in the PC program
- » two binary inputs for event record - door opening, fridge unit operation - G0841, G0841W and G0241 models
- » no need to download data - large 1MB memory stores up to 5 years of record permanently in memory
- » the device is powered by car electric net (9 to 32 V)
- » when installed, the device continuously measures and logs values. It excludes the possibility of forgetting to switch it on by the driver

	G0221E	G0241	G0841	G0841W	G0841M	G0841MW
Measuring temperature range:	-90 to +260°C					
Operating temperature range:	-30 to +65°C					
Operating temperature range of the printer:	-20 to +50°C					
Compatible temperature probes:	with Pt1000 sensor with maximum cable length 20 meters					
Accuracy of the input without probe:	±0.2°C					
Resolution:	0.1°C					
Logging interval:	user selectable from 1 minute to 60 minutes					
Memory capacity:	1MB - 172 032 records from one probe, 102 400 records from two probes					
Semitrailer version:	x	x	✓	✓	✓	✓
Measured signals	2xT	2xT + 2xcontact	2xT + 2xcontact	2xT + 2xcontact	2xT + 2xcontact	2xT + 2xcontact
Output for GPRS modem	x	✓	✓	✓	x	x
Built-In GPRS modem	x	x	x	x	✓	✓
Wireless alarm unit for driver's cabin	x	x	x	✓	x	✓
Power:	9 to 32Vdc, protected against alternator load shedding+internal Lithium battery					
Consumption while printing:	approximately 8 W					
Consumption - not printing:	approximately 0.1 W			approximately 0.2W		
Dimensions without holders & connectors (mm)	175 x 124 x 51		250 x 242 x 110			
Weight (gr):	370		1650			
Protection:	IP20		IP65			

## TEMPERATURE RECORDERS WITHOUT BUILT-IN PRINTER

TÜV SÜD certified to conform to EN 12830, Class 1 and EN 13486, Class 1 for the transport of food

- » included calibration certificate with declared metrological traceability of etalons is based on requirements of EN ISO/IEC 17025 standard
- » standard temperature sensor is Pt1000 – internal or external (up to 20 meters of length)
- » robust watertight case, easy installation, locking enabled
- » low power consumption - battery life up to 7 years, indication of remaining battery life, easy battery replacement
- » variability of connection to the computer - USB, RS232, Ethernet, GSM modem
- » permanent connection to the PC enabled, data is possible to download even during logging
- » models S0841, S0842 enable to combine temperature measurement with logging of contact state - e.g. door contact
- » dual level alarm is enabled for each channel, alarm is indicated by blinking of the value on the LCD display or LED

Android Downloader Application for COMET Data Loggers



	* R0110	S0110	S0111	S0121	S0122	S0141	S0841	S0842
Measured Signals	1xT - int	1xT - int	1xT - ext	2xT - ext	2xT - int/ext	4xT - ext	2xT - ext + 2xcontact	3xt - ext + 1xcontact
Operating temperature range	-40 to +80°C		-30 to +70°C					
Accuracy of Pt1000 temperature input without probe:	±0.2°C from -50 to +100°C; ±0.2% from +100 to +260°C; ±0.4% from -90 to -50°C							
Resolution:	0.1°C							
Real time clock:	year, leap year, month, day, hour, minute, second							
Logging interval:	adjustable from 10s to 24h							
LCD display and alarm state refresh:	every 10 s							
Total memory capacity:	32000 values in non-cyclic mode							
Logging modes:	<b>non-cyclic</b> – logging stops after filling the memory <b>cyclic</b> – after filling memory oldest data is overwritten by new							
Dimensions without connectors:	93x64x26mm		93x64x29mm					
Power:	Lithium battery 3.6V, size AA							
Typical battery life:	7 years		6 years			5 years		
Protection:	IP67 - protected against influence of temporary immersion into water							

\* without display