

Mitec RMS31/40M

Mobile measuring station with GSM modem

Description

Mitec RMS31M and RMS40M are mobile measuring stations for measuring temperature, pressure, flow, level, electrical power, energy, air humidity, CO₂, pH and many other parameters.

The measuring station has inbuilt GSM-communication (tele modem also available) and measuring values are transferred to PC via the public network. The system runs on normal batteries with an operating time of up to one month. Optional battery eliminator available.

Up to eight sensors can be used simultaneously per station (RMS40M). A number of measuring stations can be used in the same system.

The Mitec system helps improve knowledge and decision-making by providing high-quality trend data on a regular basis. It makes the monitoring process more efficient, enabling a higher level of customer service and organizational efficiency.

The Mitec RMS31/40M measuring station is manufactured in Sweden by Mitec Instrument AB.

Features

- Portable measuring case with space for sensors and accessories.
- Multi-channel data logger with automatic identification of all types of sensors.
- Inbuilt GSM communication.
- Windows software for communication and presentation.
- Battery-operated, 1 month operation time.
- Robust, waterproof case. Lockable.
- Based on Mitec's reliable data loggers.

System benefits

Mitec's new portable GSM measuring station gives a number of advantages over traditional work methods.

- Faster start of analysis work
- Better control of measurements
- Measuring values can continuously collected in for backup to PC.
- The measurement can be controlled and modified from the office.
- Save time and reduce travel costs.

Function

Measurement sensors are connected to the measuring station and registration interval selected. The measuring station is polled from a PC equipped with Mitec Monitor software. Monitor has automatic communication as well as powerful analysis and presentation tools for display on the company's local network or website. Alarm can automatically be sent via SMS or e-mail.



Mitec RMS31/40M mobile measuring station

Technical Data Mitec RMS31M/40M measuring station

Data collection

Number of input channels.....	4 or 8 universal input channels for sensors connected via Mitec SmartCables.
Memory size	128 kbyte or 512 kbyte.
Registration interval.....	1 second to 24 hours and manual, selectable in 17 steps.
Number of measured values.....	Nom. 55,000 (RMS40 can be expanded to 240,000)
Storage method.....	Average value or average, min, max.
Inputs.....	DC and AC voltage; DC and AC current; Resistance (eg. Pt-100 or potentiometer) Thermocouple, thermistor, bridges; Pulses, run-time; Frequency
Input selection.....	Automatic adaption. Engineering unit and signal type is shown in display.
Data output.....	RS232 (multi-drop) communication interface to Inbuilt modem.

Mitec SmartCables and sensors

OPTIONS

Mitec SmartCables.....	Available for use with analog signals from sensors and instruments, pulses, status signals for ON/OFF registrations and time measurements. Refer Mitec SmartCable catalog or www.mitec.se for full listing.
Compatible sensors.....	Temperature, humidity, pressure, CO ₂ , electricity, energy, level, flow, pH and most other sensors can be connected with appropriate type of Mitec SmartCable.

Communication

GSM modem.....	Inbuilt in RMS31M-G and RMS40M-G. Quality industrial modem / antenna for use with GSM mobile telephone network. Configuration and testing completed prior to delivery. Includes Telia subscription.
Telephone modem.....	Inbuilt in RMS31M-M and RMS40M-M. Quality industrial modem for use with public telephone network. Configuration and testing prior to delivery.
Communication protocol.....	PcCom transmits collected information and on-line values. Block oriented with an 8-bit checksum and error correction. Used by all Mitec measurement software.

Measuring station

Case.....	Heavy-duty waterproof plastic case. Includes all instrumentation and communication.
Size.....	300 x 200 x 180 mm exclusive antenna.
Power supply.....	Connection to 230V AC powers the inbuilt instrument and modems.

ORDERING INFORMATION

Article number.....	Mitec RMS31M-G mobile measuring station with 4 channels and GSM modem Mitec RMS31M-M mobile measuring station with 4 channels and tele-modem Mitec RMS40M-G mobile measuring station with 8 channels and GSM modem Mitec RMS40M-M mobile measuring station with 8 channels and tele-modem
Delivery includes.....	Mitec mobile measuring station with SmartCables English or Swedish manual
Accessories.....	Mitec Monitor analysis and communication program, sensors, isolation amplifiers

We reserve the right to make technical improvements without notice

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