

Event reporting system EMS 442



- For industrial remote monitoring tasks
- 4 analogue and 4 digital inputs
- Event reporting directly to the mobile phone
- Data recording, visualisation and management with AFRISO Net web service



Application The event reporting system EMS 442 is ideal for a wide range of industrial remote monitoring tasks. Up to 4 analogue measured values and 4 digital limit values can be monitored with a single unit. In connection with the AFRISO Net web service, data can also be visualised, logged and managed.

Typical application areas:

- Monitoring and management of tank farms, oil storage facilities, silos, food tanks and facilities for storing chemicals
- Level measurement in wells, drilling holes, rivers, lakes, etc.
- Monitoring of ducts, pump stations, waste water systems, separators
- Monitoring of production processes
- Monitoring of technical facilities such as heating systems, air conditioning systems, refrigeration systems, lifts, etc.

Description EMS 442 has 4 analogue and 4 digital inputs as well as 2 switching outputs (relay outputs) for connection of additional alarm equipment on site. EMS 442 sends alarm signals or results of continuous measurements to the mobile phone of the user or to the AFRISO Net server for documentation and further distribution. From the server, messages can be sent via Internet, text message or e-mail. The owner/operator can request information on the system status via mobile phone at any time. Measuring intervals, limit values and data transmission intervals can be adjusted as required.

Technical specifications

Operating temperature range

Ambient: -20/+50 °C

Supply voltage

AC 230 V

Sensor supply

4 x DC 24 V, max. 25 mA

Alarm inputs

- 4 analogue inputs 4–20 mA, active or passive
- 4 digital inputs, for voltage-free assignment

Switching outputs

Relay contacts: 2 voltage-free changeover contacts
 Contact rating: AC 250 V, 5 A/500 VA
 DC 24 V, 5 A/100 VA

Data transmission

GSM text messages with integrated
 GSM modem /900/1800 MHz

Measuring intervals/ data transmission intervals

Adjustable as required

Parameterisation/configuration

Via mobile phone

Housing

Wall mounting housing made of impact-resistant plastic (polycarbonate)
 W x H x D 175 x 125 x 75 mm

Degree of protection

IP 65 (EN 60529)

Electrical connections

5 x cable gland M 16

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The AFRISO Net web service is a cost-effective way of requesting data online anywhere and at any time. See page 411 for a detailed description.

DG: H, PG: 4	Part no.	Price €
EMS 442	90442	
Setup on AFRISO Net server (one-time fee)	90013	
Monthly base fee per SIM card	90014	

Blue part no. = in-stock items