



## Event reporting system EMS 442



### Benefits

- 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 EMS 442 event reporting system is the ideal solution for a whole 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

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

### Versions

	Part no.
Event reporting system EMS 442	90442
Setup of file on AFRISO Net server	90013
Monthly base fee per SIM card	90014

Blue part no. = in-stock items

### 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

Contact rating: DC 24 V, 5 A, 100 W

### Data transmission

GSM short message system (SMS) with integrated 2G/3G modem  
900/1,800/2,100 MHz

### Measuring intervals/data transmission intervals

Adjustable as required

### Parameterisation/configuration

Via mobile phone

### Housing

Wall mounting housing made of impact-resistant plastic (ABS)

W x H x D: 175 x 125 x 75 mm

### Degree of protection

IP 65 (EN 60529)

### Electrical connection

5 x cable gland M16 x 1.5

### CE conformity

EMC Directive 2014/30/EU

RED Directive 2014/53/EU