## PROFESSIONAL **MEASURING** EQUIPMENT



Measuring Recording Online Monitoring Regulation Alarming

Temperature Humidity CO2 Dew point Atmospheric pressure Analog signals Two-state inputs Pulses





www.myj-sensores.com





Inputs for up to two temperature probe Ni1000. Commeter with record - D0211 and D0221 can also measure together with Pt1000 probes. Measured values are displayed on a backlit display. The device can be set from the keypad. Battery is included.

Temperature and humidity probe.

- measuring and recording
  - temperature (probes Pt1000, Ni1000)
  - humidity
  - dew point
  - atmospheric pressure
- accurate measurement of up to two probes
- version of the device with memory and without memory
- audible and visual indication alarm conditions
- analytical software Comet Vision 2.0 for data processing and configuration
- the possibility of setting through a keypad
- USB communication interface
- backlit display

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\*\*\*\* \*\*\*\* RH

ATM. PRESSURE





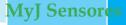
product catalog





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Datalogger





## Variable 16 input-channel datalogger **Monitoring system**



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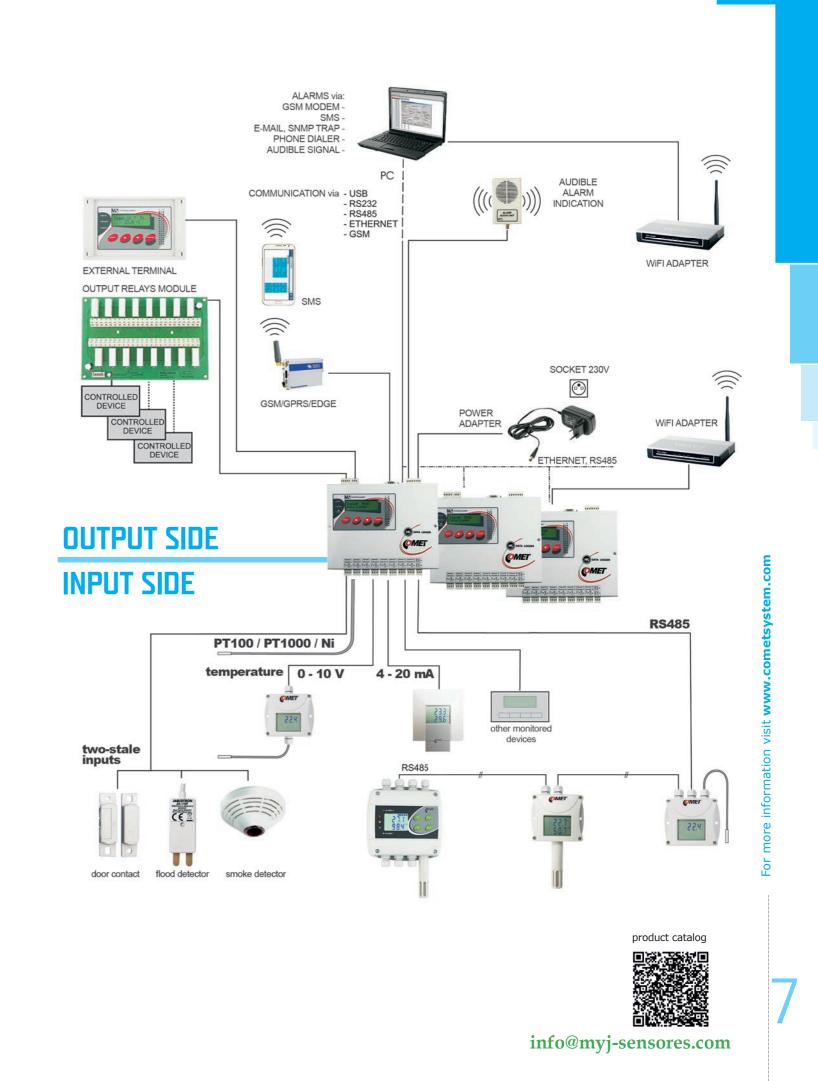
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ATM. PRESSURE

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O/I TWO-STATE



- software configurable or modular inputs for
   temperature sensors Pt and Ni
  - thermocouples and thermistors
  - voltage and current
  - two-state events frequency and pulses
  - resistance
  - sensors with RS485 output
- memory for 500 000 records with automatic downloading to PC
- alarm indication via integrated siren, e-mail, SMS and two-state output to control other devices
- software for data analysis on PC
- communication interface USB, RS232, relays, RS485 (Modbus RTU), ETHERNET (Modbus TCP, SOAP, etc.)





Comet Vision SOFTWARE

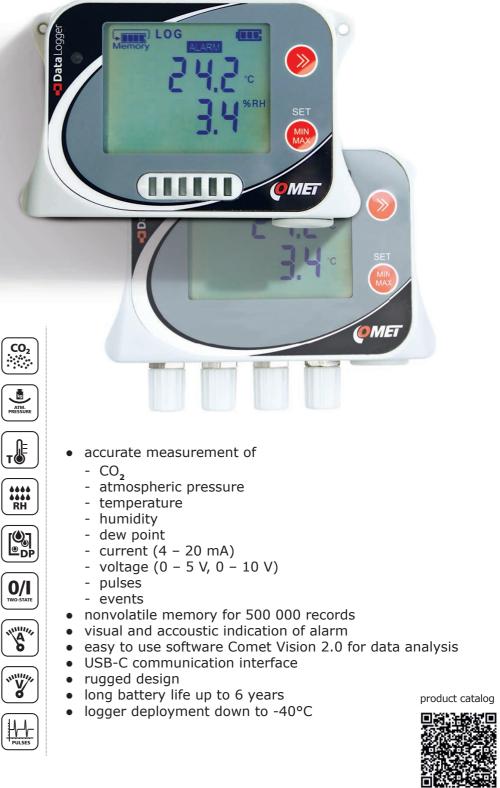
## Dataloggers with built-in printer Battery-operated economical datalogger

T - PRINT



Battery operated recorders **Premium Dataloggers** 







accurate measurement of

- temperature

144

- humidity
- dew point
- events
- nonvolatile memory for 32 000 values
- indication of alarm conditions via, SMS or visually
- software Comet Vision 2.0 for data analysis
- built-in printer (for selected models)
- communication interfaces USB, RS232, GSM modem
- rugged design with protection up to IP67
- battery life up to 7 years (model S3120E)



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O/I TWO-STATE



# Battery operated 2G and 4G modems **Mobile Dataloggers**





Wireless Dataloggers

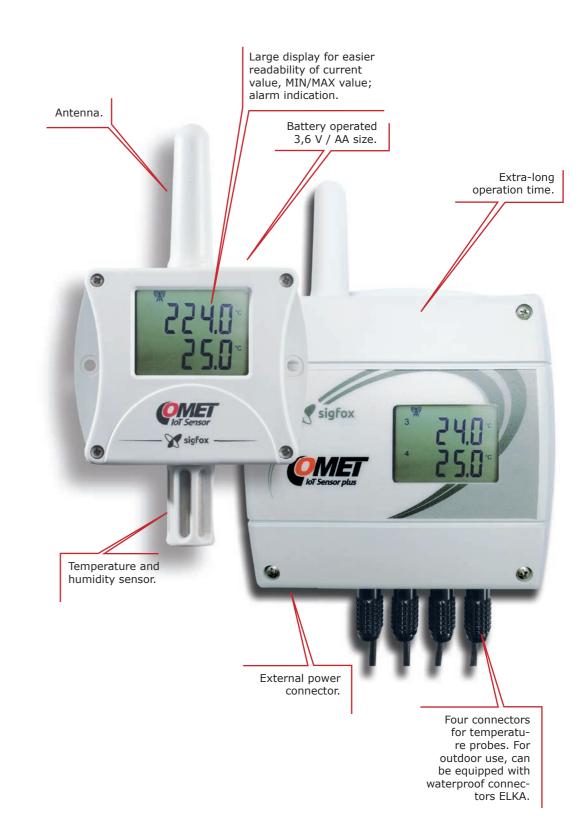
- accurate measurement of
  - CO<sub>2</sub>
  - atmospheric pressure
  - temperature
  - humidity
  - dew point - events
  - current (4 20 mA)
  - pulses
- nonvolatile memory for 500 000 records
- indication of alarm via text massage, 3-colour LEDs, speaker
  easy to use software Comet Vision 2.0 for data analysis
- communication interfaces USB-C and GSM modem
- rugged design
- long battery life up to 6 years
  logger deployment down to -20°C



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**MyJ Sensore** 



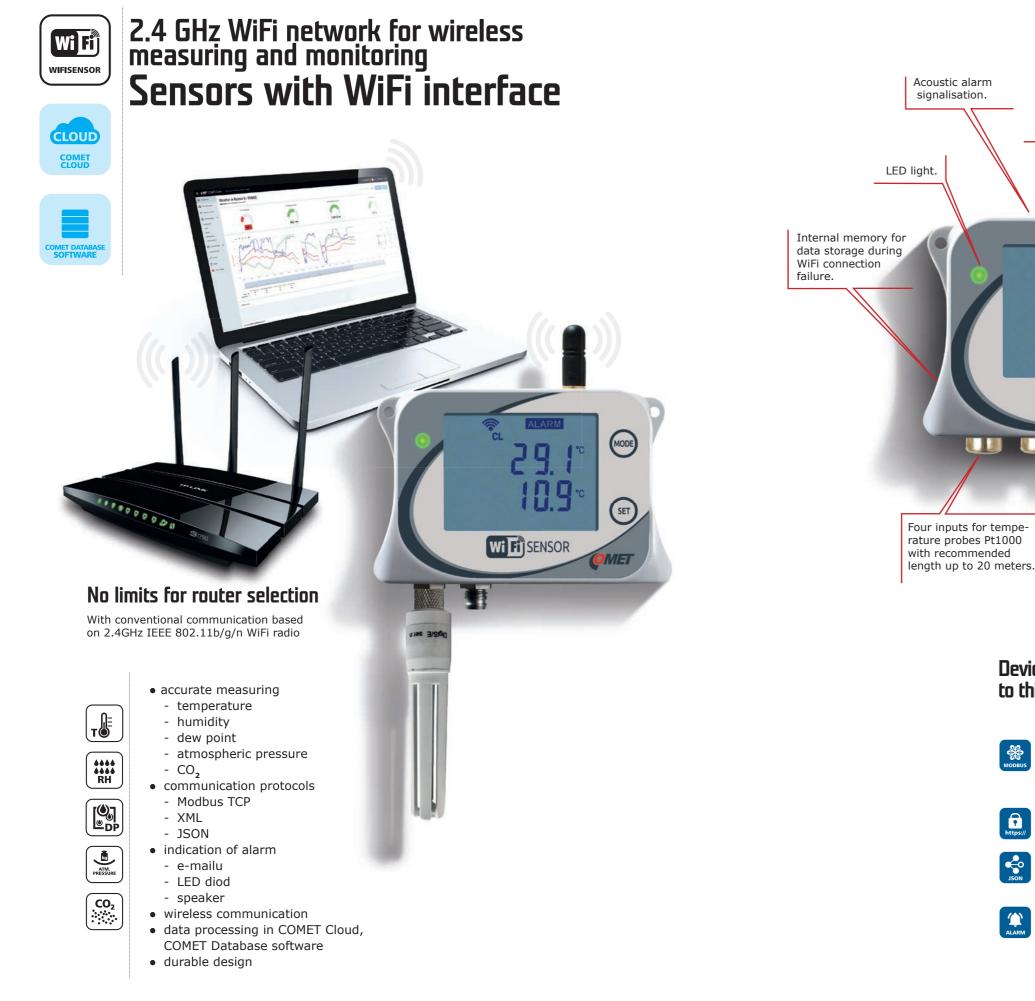


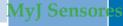
## MyJ Sensore

For more information visit www.cometsystem.com

product catalog









for powering from external power supply 5 to 5.4 V DC.

### Device communication to third party systems

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at one moment.

server.

WiFi antenna.

Devices use Modbus TCP protocol version. Two Modbus clients can be connected to the device

Webserver to display values, it supports also https.

JSON protocol for sending data to COMET Cloud or to own

Alarm e-mails with encrypted communication support (i.e. sending via G-mail SMTP server), support of text and html emails.

product catalog



information visit www.cometsystem.com more



## Outputs 4 - 20 mA, 0 - 10 V, RS232, RS485 and relays **Sensors and regulators**



look at the zener barrier for ATEX applications on page 23.

ATM. PRESSURE

O/I TWO-STATE

CO<sub>2</sub>

- temperaturehumidity
- dew point
- atmospheric pressure

accurate measurement of

- two-state events
- CO<sub>2</sub>
- industrial design with protection up to IP65
  - integrated sensors
  - with external probe
  - duct mount design
- interior design
- ATEX design for potentially explosive atmospheres (zone 2) on selected models
- relays output 250Vac / 8A or 50 V on selected models

product catalog for analogue sensors

1008

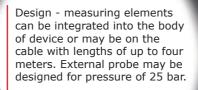
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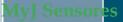
Terminal for power and signal RS485/RS232 – for more details please see electrical wiring below on the page.

ALARM 2

LED signalization - visualization of binary inputs is done by three LED diodes. Other two diodes signed as ALARM 1 and 2 show alarm state and relay status.



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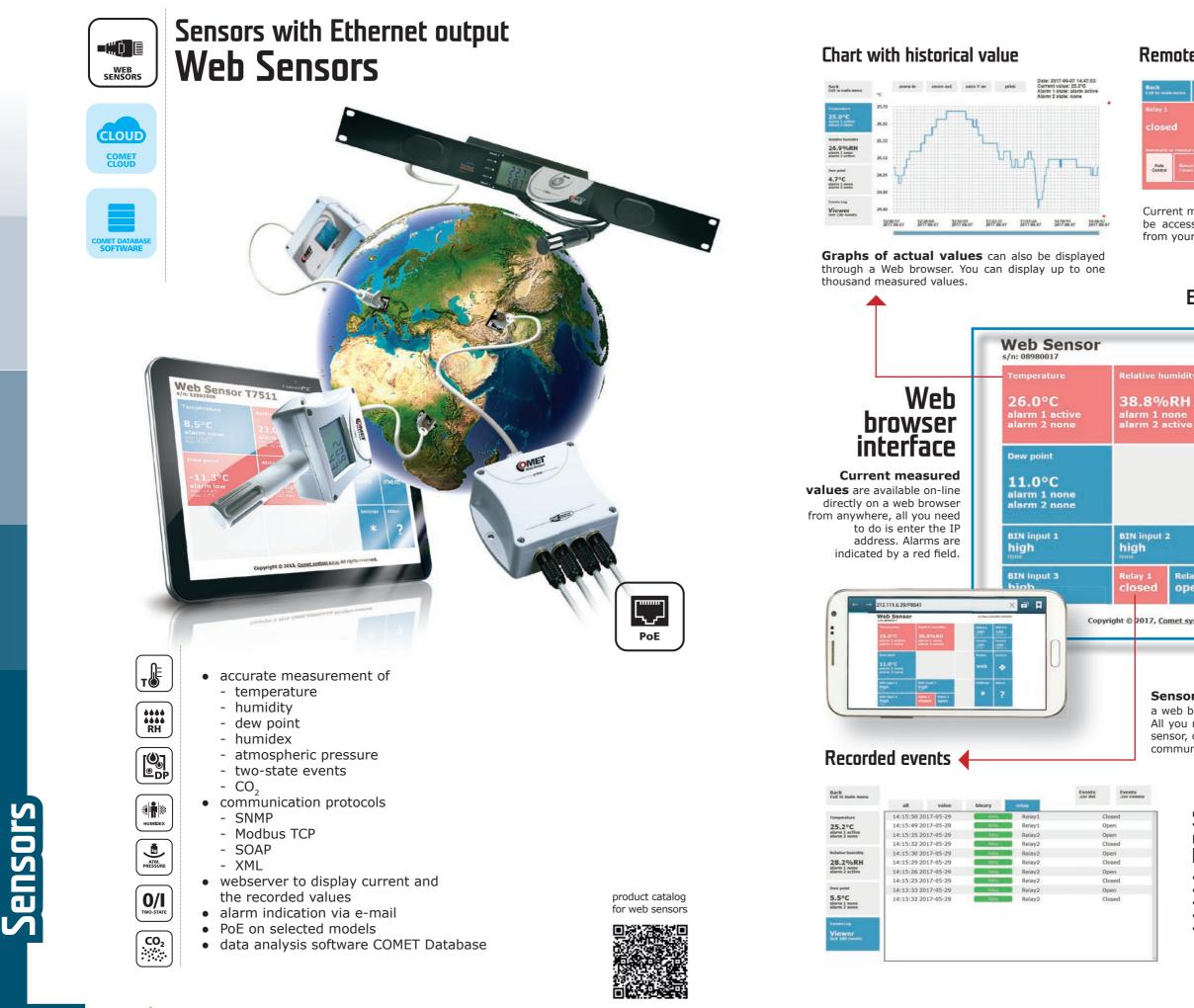
Relay - the device is equipped with two relay outputs for alarming or controlling of external devices. It is possible to assign any input value to each relay, to set comparing limit, delay, hysteresis, acoustic alarm or change its status by means of Modbus communication protocol.



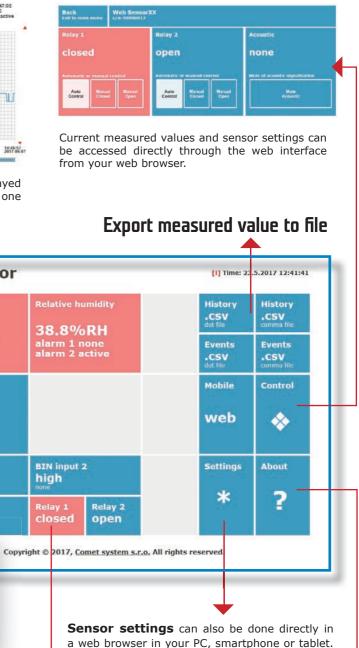
product catalog for digital sensors



For more information visit www.cometsystem.com



### Remote controlling of relay via internet



**Sensor settings** can also be done directly in a web browser in your PC, smartphone or tablet. All you need to do is enter the IP address of the sensor, open Settings and set up everything from communication to alarm e-mails.

### Software development kit available for

- SNMPv1 protocol
- ModbusTCP protocol
- XML file values.xml
- SOAP protocolSyslog list
- for web sensors with relay

product catalog



For more information visit www.cometsystem.com



## **COMET Cloud**

Measured data where you need. COMET Cloud is the internet storage of data measured by COMET sensors. The data is accessible in the internet and displayed in an internet browser.





# Storage place for all COMET devices COMET Database software



For users of COMET products exists a solution for data collection to one central place. It is software solution based on MS SQL and installed on customer's server or personal computer.

- 24 hour supervision
- unlimited data storage
- simple and clear access to your measured values
- single repository for all devices COMET
  - alarm SMS texts and e-mails
  - acoustic and visual signalization of alarms

## Analytic and configuration software **COMET Vision 2.0**

- device setting



Recorded data

• unlimited space for data

webový prohlížeč pro zobraz

- management and organization of - equipments
- measured points
- users and their access rights
- e-mail alarming when - exceeding alarm limits with the option define recipients according to the level of exceedance
- a fault occurs (connection, measurement error)
- easy report creating
- device setup from
- COMET Cloud (only once a day)

Tutorials

No. of Concession, Name

How to create account How to add device How to set role - administrator/user How to create measured place

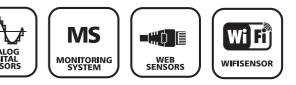
Try GUEST access at https://cometsystem.cloud/device/list

try DEMO



Jata collection

OMET VISION



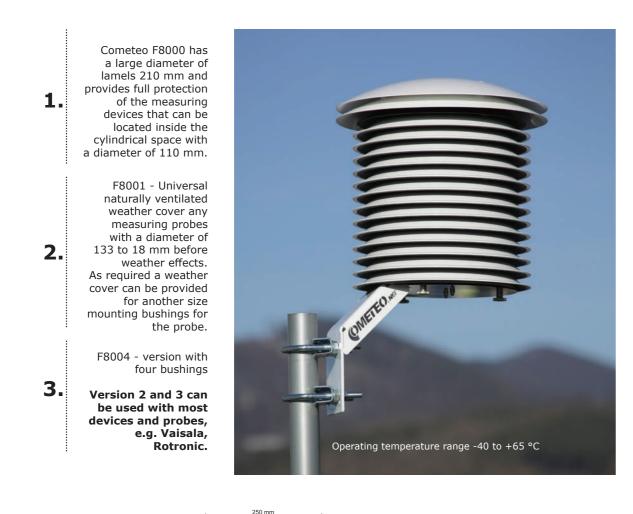
Online display

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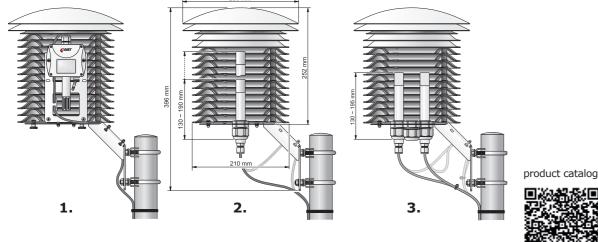
more information visit www.cometsystem.com



The Multi-plate radiation shield is used to protect weather monitor systems and provides the most accurate climate measurement results. The uniquely designed screen minimizes solar radiation reaching the sensor, minimizes radiation absorbed by the screen, and maximizes ambient airflow around the weather station sensor. The surface exposed to sunlight is made of highly reflective UV and long-term stable ASA plastic. The inner surfaces of the screen are made of matt black plastic to minimize internal reflections. A large 210mm diameter of 14 plates is designed to provide full protection for the measuring sensor.







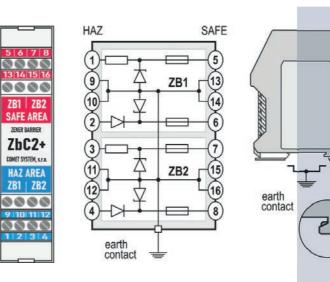
ZbC2+

## Zener barrier ZbC2 + Two in one, this is Zener's barrier from Comet

- Voltage Uo 29,4 V
- Current Io 95mA
- Resistance Romin. 306 Ω

## **Key features**

- Two identical Zener barriers ZB1 and ZB2 in the common housing
  Positive polarity with return diode
- Series resistance
- Series resistance Rs1 = max. 348  $\Omega$  (terminals 1-5, terminals 3-7) Rs2 = max. 34  $\Omega$  (terminals 2-6, terminals 4-8)
- Fuse rating
- DIN rail mounting in a safe area



Two identical Zener barriers ZB1 and ZB2 in a common case.

#### NOTICE!

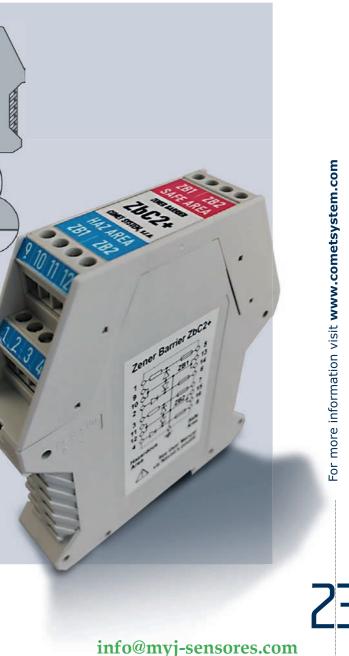
Installation, commissioning, and maintenance may only be carried out by personnel with qualifications by applicable regulations and standards.

To complete the information in the product user manual

The Zener barrier is a certified intrinsically safe interface. It is used to connect a certified intrinsically safe device located in a potentially explosive atmosphere (Hazardous area) to a non-certified device that is in a safe area.



ATEX



Measuring Recording Online Monitoring Regulation Alarming



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