

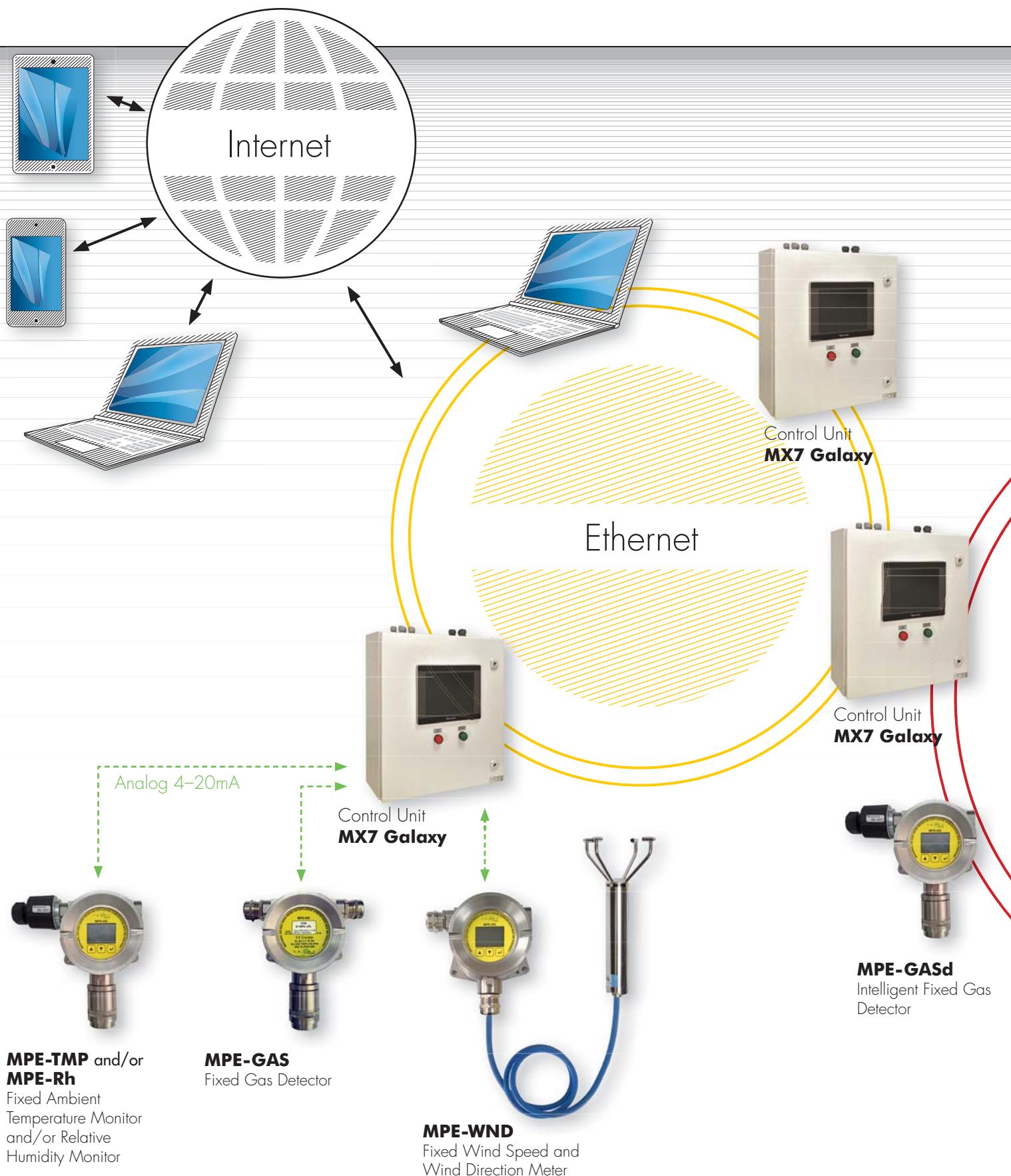


GALAXY CONTROL SYSTEMS

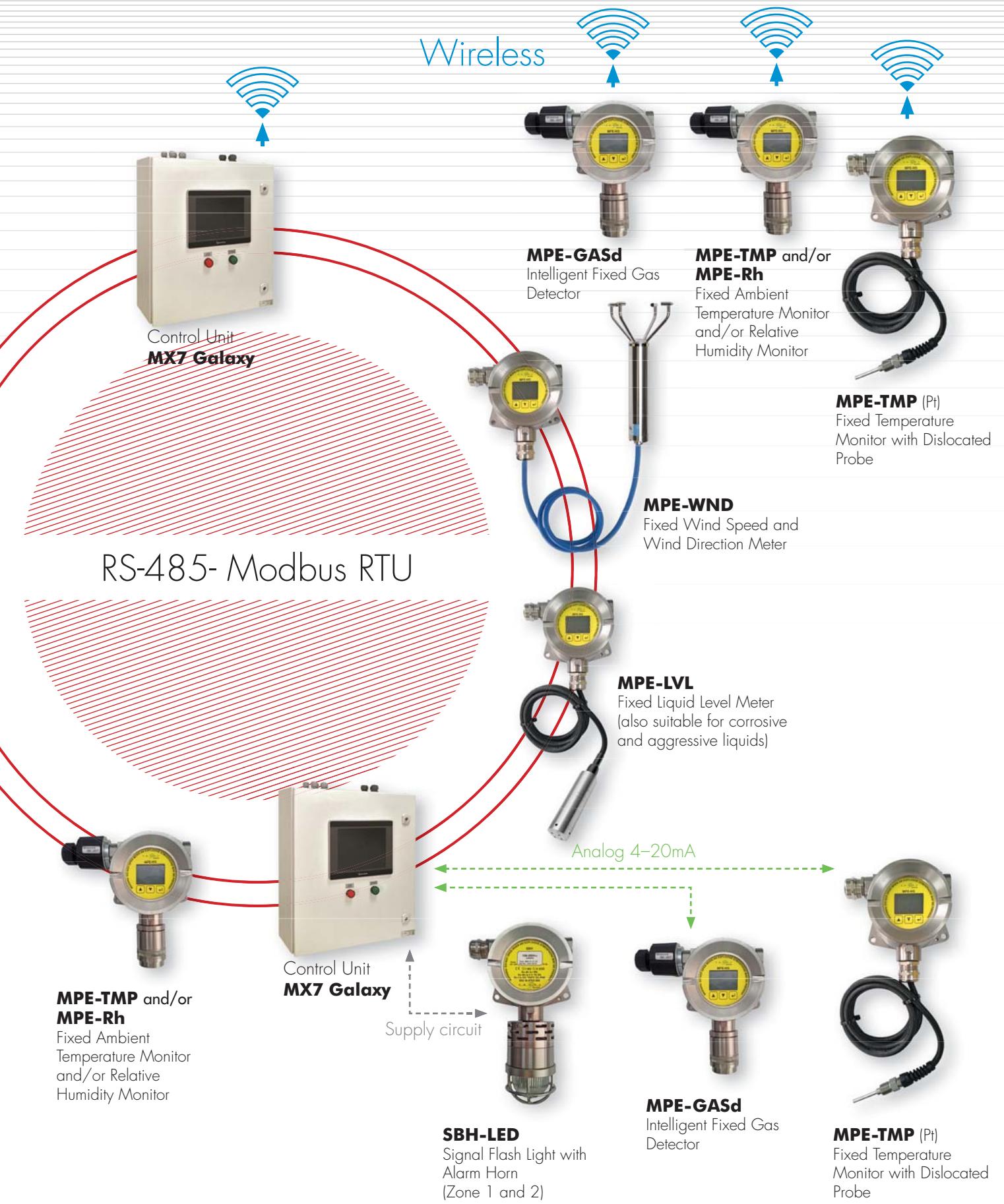


GAS DETECTION & TECHNOLOGICAL PRODUCTS

- CONTROL UNITS
- FIXED GAS DETECTORS
- MEASUREMENTS DEVICES
- AUDIO/VISUAL DEVICES
- WIRELESS TECHNOLOGY
- SYSTEMS &
CUSTOM SOLUTIONS



↔↔ Internet	↔↔ Analog 4–20mA	↔↔ Supply circuit
— Ethernet	— RS-485- Modbus RTU	→ Wireless



MPE-GASd

Intelligent Fixed Gas Detector

4–20mA current output

Optional RS-485 Modbus RTU communication

Optional wireless communication

Flameproof enclosure, direct entry

Optional connection via Ex e adapter

Equipped with local display.

Easy operation and maintenance.

Wide range of sensors.

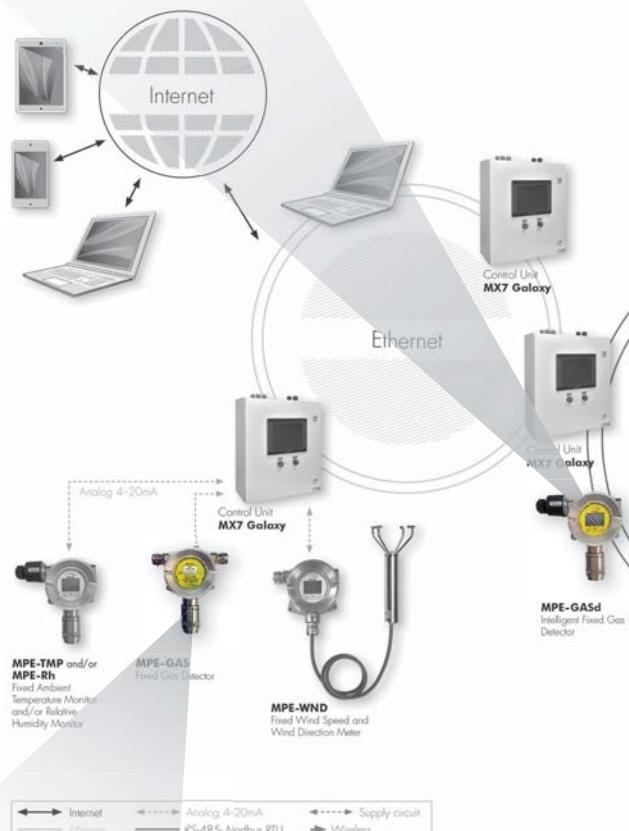
Corrosion resistant stainless steel housing.

Gases Detected: combustible, toxic, O₂, CO₂

Sensor Technologies: infrared (IR), catalytic, electrochemical, semiconductor

Power In/Output: 16–32VDC / 4–20mA, RS485 Modbus RTU, RF transceiver

Approvals: ATEX, IECEx, CE



MPE-GAS

Fixed Gas Detector

4–20mA analog output

Basic (low cost) detector for industrial applications.

Easy operation and maintenance.

Wide range of sensors.

Corrosion resistant stainless steel housing.

Flameproof enclosure, direct entry.

Gases Detected: combustible, toxic, O₂, CO₂

Sensor Technologies: infrared (IR), catalytic, electrochemical, semiconductor

Power In/Output: 16–32VDC / 4–20mA

Approvals: ATEX, IECEx, CE





MPE-TMP and/or MPE-Rh

Fixed Ambient Temperature Monitor and/or Relative Humidity Monitor
4–20mA current output
Optional RS-485 Modbus RTU communication
Optional wireless communication
Flameproof enclosure, direct entry
Optional connection via Ex e adapter

GALAXY
CONTROL SYSTEMS



Equipped with local display.

Pre-calibrated sensor.

Corrosion resistant stainless steel housing.

Current output version – option temperature monitoring or relative humidity monitoring.

Option RS-485 RTU communication, monitoring of temperature and relative humidity (T and Rh).

Measurement: Temperature (-20÷+70°C/±0,5°C), relative humidity (0–100%Rh/±2%Rh)

Sensor Technologies: fully calibrated silicon sensor chip

Power In/Output: 16–32VDC / 4–20mA, RS485 Modbus RTU, RF transceiver

Approvals: ATEX, IECEEx,CE

MPE-TMP (Pt)

Fixed Temperature Monitor with Dislocated Probe

4–20mA current output

Optional RS-485 Modbus RTU communication

Optional wireless communication

Flameproof enclosure, direct entry

Optional connection via Ex e adapter

Equipped with local display.

Corrosion resistant stainless steel housing.

Measurement: Temperature (-20÷+200°C/±0,1°C)

Sensor Technologies: Pt1000

Power In/Output: 16–32VDC / 4–20mA, RS485 Modbus RTU, RF transceiver

Approvals: ATEX, IECEEx,CE

MPE-LVL

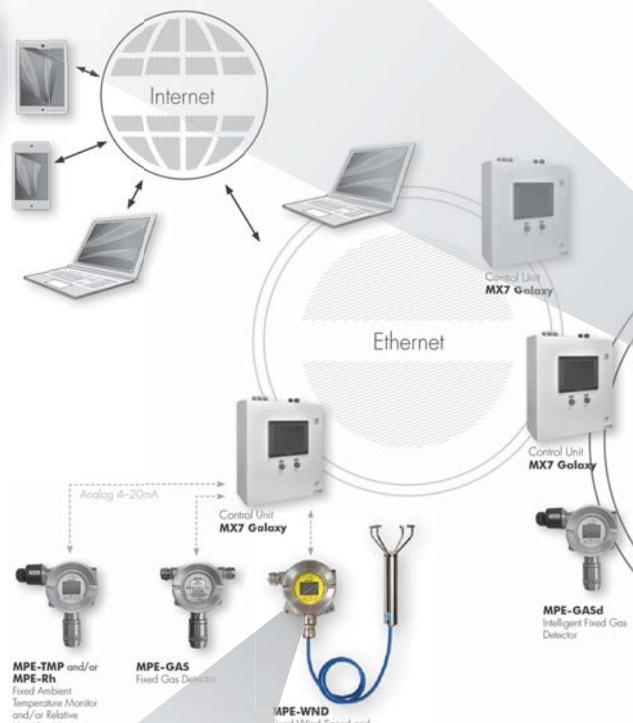
Fixed Liquid Level Meter (also suitable for corrosive and aggressive liquids)
 4–20mA current output
 Optional RS-485 Modbus RTU communication
 Optional wireless communication
 Flameproof enclosure, direct entry
 Optional connection via Ex e adapter
 Measuring probe suitable for Zone 0; IP68

Equipped with local display.
 Corrosion resistant stainless steel housing.

Measurement: on request, up to 300m

Sensor Technologies: Piezzo-resistive Pressure Level Sensor

Power In/Output: 16–32VDC / 4–20mA, RS485 Modbus RTU, RF transceiver



MPE-WND

Fixed Wind Speed and Wind Direction Meter
 4–20mA current output (one type measurement)
 Optional RS-485 Modbus RTU communication
 Optional wireless communication
 Flameproof enclosure, direct entry
 Optional connection via Ex e adapter

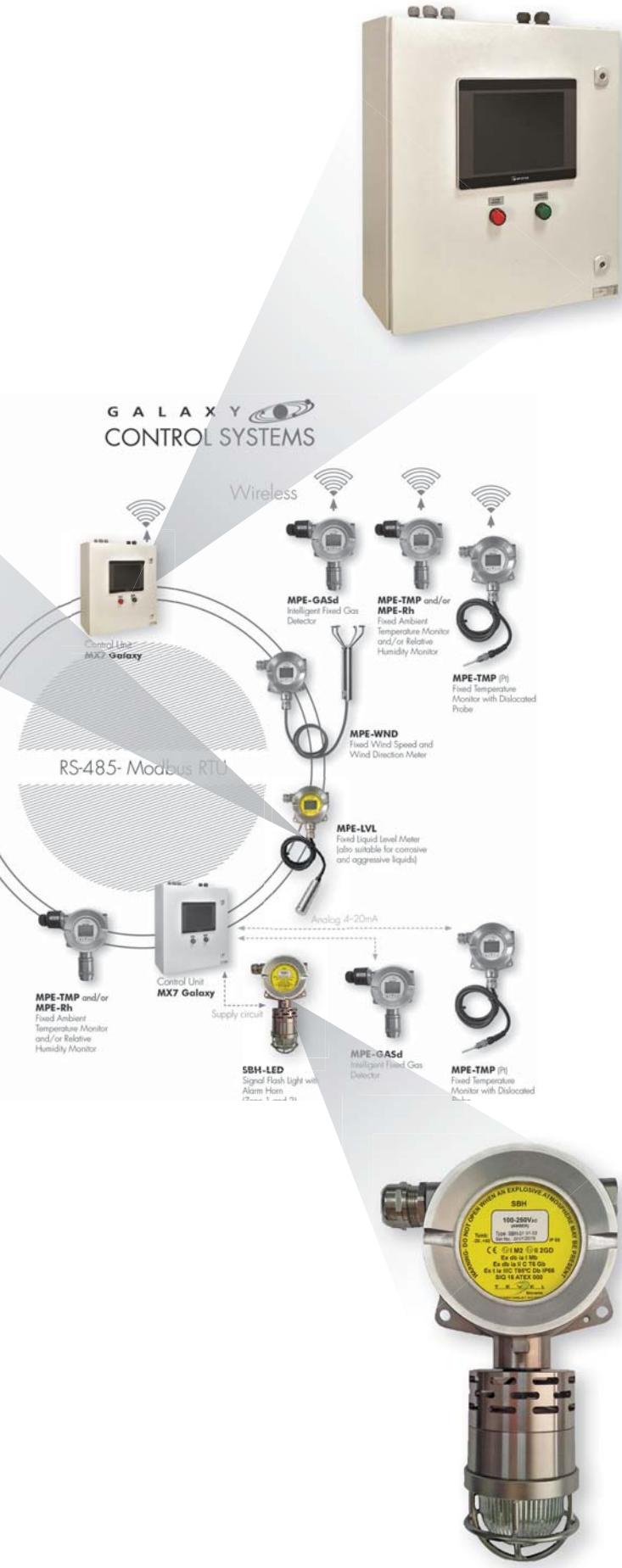
Measuring probe suitable for Zone 0

Equipped with local display.
 Corrosion resistant stainless steel housing.

Measurement: wind speed 0÷75m/s, wind direction 0÷359°

Sensor Technologies: solid-state ultrasonic anemometer
Power In/Output: 16–32VDC / 4–20mA, RS485 Modbus RTU, RF





Control Unit MX7 Galaxy

Galaxy is integrated Control and Alarm System, microprocessor controled, mainly used for gas and flame detection. Redundant processor offers high system reliability and stable communication with existing supervisory and control systems.

Communication interfaces:

- 1x Ethernet 100/10
- 1x RS-485/Modbus
- 1x RS-485/slave Modbus
- RF transmittion (optional)

Input/output:

- RS-485 Modbus RTU
- 4–20mA analog inputs
- digital inputs
- relays outputs (up to 16 – programmable)

Supply: – 100–240VAC with optional 48h battery back up

Features:

- Up to 64 channels per unit (via RS-485 or locally 4–20mA input)
- TCP/IP or USB datalogging and system configuring
- Industrial wall mounted stainless steel housing with 10" TFT screen
- Easy system expansion

SBH-LED

Signal Flash Light with Alarm Horn (Zone 1 and 2)

Flameproof enclosure, direct entry
Optional connection via Ex e adapter

Industrial applications.
Corrosion resistant stainless steel housing.

Flash light: LED (red, green, amber, blue)

Buzzer: Piezzo 105 dB

Power In/Output: 12–50VDC(AC) / 95–250VAC



G A L A X Y

TEVEL, d. o. o.

Borovniško naselje 7, 1412 Kisovec
Slovenia – Europe

Phone +386 3 5672050
Fax +386 3 5671119
Email info@tevel.si

www.tevel.si

