MAC*View*®

EEx-d GASMONITORING

EEx-proof measurement and monitoring of gasses and vapours

The MAC*View*® is also available in explosion proof design: the MAC*View*®-EEx-d. In this design, the MAC*View*® may be placed in an environment with explosion risk.

For this purpose, EMS has got testing according to the latest ATEX specifications. The sensor is EEx-i tested for temperature class T4. The housing is designed in a combination of flameproof enclosure (EEx-d) and increased safety housing (EEx-e). All functionality built in the standard version of the MAC*View*®-Gassensor is also implemented in the explosion proof version. For example, in the EEx version are also pushbuttons, in the increased safety housing, for controlling and adjusting the presets.

EEx-proof

On the MAC*View*®-EEx-d it is possible to connect a MAC*View*®-Wallmount EEx version. This sensor can be used in zone 0. The sensor is approved according EEx [ia] IIC T4 with ATEX certificate. The housing of the MACView®-EEx is approved for use in explosion hazardous areas with proof of EEx-de IIC T6 according to CENELEC EN 50014, EN 50018, EN 50019 and EN 50020.

MEASUREMENT TECHNOLOGY

The MAC*View*®-EEx-d The MACView®-EEx displays the measured values in ppm (parts per million) on the display. By this, these values are immediately compa-rable with the MAC-value (Maximum Allowed Concentration). When this MAC-value is exceeded it is possible to act immediately.

TECHNICAL SPECIFICATIONS
MAC*View*®-EEx-d Gasmonitoring

Material of housing	Aluminium housing with epoxy coating IP65
Types of sensors	7 sensors available for gasses and vapours: Combustibles - Toxic Gases - Oxidizing Gases - Organic Solvents - CFC's (HCFC's and HFC's) - Indoor Pollutants - Cooking Vapours
Integrated sensors	Gas concentration, relative humidity and temperature
Versions	206501: MAC*View*®-Wallmount EEx sensor 4-20 mA, intelligent sensor output, gas, RH and T
	206601 + 206602: process connection for MAC*View*®-EEx-i
	206153: MAC*View*®-Probe
Warming-up time	300 seconds
Short-term stability	± 2%
Long-term stability	± 5%
Display	Bright LCD-display with backlight, optional is a vacuum fluorescent display display available
Speed of the microcontroller	20 MHz
Inputs / outputs	- 4 isolated digital inputs
	- 6 isolated digital outputs (NO or NC)
	- 2 analog outputs
	- 4-20mA, 0-20mA, 4-24mA, 0-24mA, 0-2.5V, 0-5V of 0-10V
Extra inputs and outputs	Optional available
Dimensions	510 x 310 x 166mm
Approval	ATEX according EEx d/e IIC T6 according CENELEC EN 50014, EN 50018, EN 50019 en EN 50020

16 bits accurate measurement

RS485 or RS232, optional with interface for glass-fibre

External +5V and +12V for external sensors

E^{2}prom and RAM with back-up battery

Internal 24 hours clock

Calibration certificate standard enclosed

Optional monitoring software and alarms available

Raiffeisenstraat 24
4697 CG Sint-Annaland
The Netherlands

t   +31 (0)166 65 72 00
f   +31 (0)166 65 72 10

e   info@macview.info
i   www.macview.info

MEASUREMENT TECHNOLOGY