



MACView® WALLMOUNT

The MACView®-Wallmount raise from the question of high accuracies and industrial standards. The MACView®-Wallmount is an intelligent gas- and vapours measurement sensor-unit in which a microcontroller has been mounted. The microcontroller does the sampling, the compensations for temperature, relative humidity and the setting of the milliamps output. The sensor can be used as stand-alone version, as well in combination with the other MACView®-readout units. The sensor works on the 3-wire principle. 1 wire for the supply, 1 wire for the zero or ground and 1 wire for the 4-20 mA output signal. The sensors are potted to obtain the maximum robust electronics. A very high accurate temperature and relative humidity sensor compensates the concentration. When this sensor is used in combination with the MACView®-IPR then the temperature and relative humidity are also available for read-out. Long distances between the sensor and read-out unit are no problem. Dependant of the diameter of the cable, the length of the cable can be up to 1000 metre. For these sensors more then 80 different types of sensors are available that dependant of the application can be used. The sensor can be used stand-alone in combination with a frequency motor controller of a ventilation system or in a measurement system for process analysis for gas concentration measurements. If the sensor is used stand-alone, then temperature and relative humidity is not available.

Options

From the MACView®-Wallmount sensor is also an explosion-proof version available. Also a process connection is available for connection to ventilation channels





or process systems. For aggressive gasses or vapours are special housings available. Examples are materials like Titan and Hasteloy C22. This can for example applied with chlorine sensors or for other special aggressive, acid environments.

TECHNICAL SPECIFICATIONS

MACView®-Wallmount

The MACView®-Wallmount can be connected to the following read-out units:

Sensor types:

- MACView®-Gassensor - MACView®-Solvent - MACView®-IPR - MACView®-EEx-d

More then 80 sensors available for gasses and vapours:

Inflammable gasses: Propane - Butane - LPG - Hydrocarbons - Methane - Hydrogen

Toxic gasses: CO - Ammonia - H2S - Gasoline/Diesel exhaust - NOx -etc.

Oxidizing gasses: Ozone - Nitrogen oxides - Chlorine (connection) - etc.

CFC's: R21 - R22 - R113 - R134a and much other cooling liquids

Indoor pollutants: CO2 - Air containments - VOC's - cigarette smoke - etc.

(See the sensor list for an extensive overview of all available sensors.)

Integrated sensors

Gas concentration, relative humidity and temperature

Accessories

206602: Option for process connection to place on MACView®-Wallmount sensor

Material of housing

Stainless steel

Approval

CE and ATEX available for hazardous areas

Protection classification

IP55

Standard length of cable

1.5m

Height of the sensor

87 mm

Diameter of the sensor

80 mm

Warming-up time

300 seconds

Technical parameters sensors (Averages):

Accuracy

- ± 2%

Short-term stability

- ± 2%

Long-term stability > 1 year

- ± 5%

Output signal

4-20mA, 400 Ohm @12V

Speed of the microcontroller

tot 8 MHz

Supply

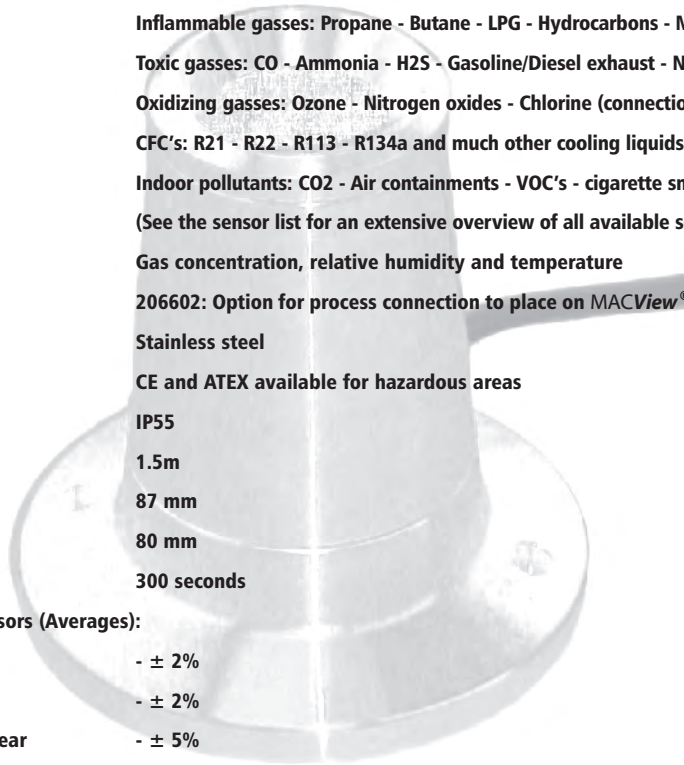
12V, three-wire connection ground, supply +12V and output (4-20mA)

AD-converter

16 bits

Mounting

Sensor can be mounted easy on a wall



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