

**SPECIFICATION SHEET FOR ETHYLENE SENSOR TYPE C2H4/M-10****PERFORMANCE CHARACTERISTICS**

|   |                                     |
|---|-------------------------------------|
| Nominal Range                           | 0 – 10 ppm                          |
| Maximum Overload                        | 20 ppm                              |
| Expected Operation Life                 | 2 years in air                      |
| Output Signal                           | 400 ± 300 nA/ppm                    |
| Inboard Filter                          |                                     |
| Resolution                              | 0.1 ppm                             |
| Temperature Range                       | - 20 °C to + 50 °C                  |
| Pressure Range                          | Atmospheric ± 10 %                  |
| Pressure Coefficient                    | No data                             |
| t <sub>80</sub> Response Time           | < 60 sec                            |
| Relative Humidity Range                 | 15 % to 90 % R.H.<br>non-condensing |
| Typical Baseline Range (pure air, 20°C) | -0.3 ppm to 1 ppm                   |
| Maximum Zero Shift (+20°C to +40 °C)    | ND                                  |
| Expected Long Term Output Drift         | < 5 % per month                     |
| Recommended Load Resistor               | 10 Ohm                              |
| Bias Voltage                            | Not required                        |
| Repeatability                           | < 2 % of signal                     |
| Output Linearity                        | Linear                              |

**CROSS-SENSITIVITY DATA**

| Interfering Gas | Cross-Sensitivity (%) |
|-----------------|-----------------------|
| CO              | < 60 %                |
|                 |                       |
|                 |                       |

Performance data conditions:  
20 °C, 50% RH and 1013 mbar

**APPLICATIONS**

Safety and Environmental Control  
For Portable Gas Detectors

The data contained in this document is for guidance only. Membrapor AG accepts no liability for any consequential losses, injury or damage resulting from the use of this document or the information contained within it. The data is given for guidance only. Customers should test under their own conditions, to ensure that the sensors are suitable for their own requirements.

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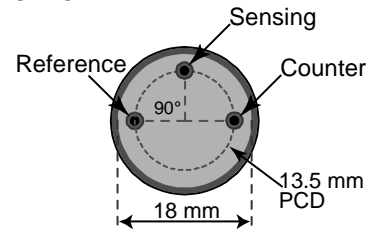
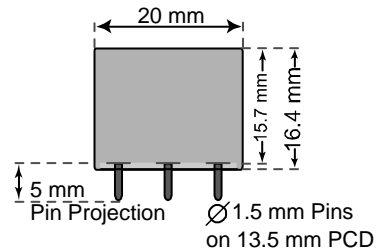
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**PHYSICAL CHARACTERISTICS**

|                                 |                                 |
|---------------------------------|---------------------------------|
| Weight                          | ~ 5.4 g                         |
| Position Sensitivity            | None                            |
| Storage Life                    | Six months in container         |
| Recommended Storage Temperature | 5 °C – 20 °C                    |
| Warranty Period                 | 12 months from date of dispatch |

**Miniature-Size Outline Dimensions****BOTTOM VIEW****SIDE VIEW**

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