



SPECIFICATION SHEET FOR HCI SENSOR TYPE HCI/M-20

PERFORMANCE CHARACTERISTICS

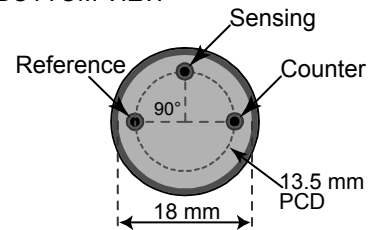
| | |
|---|----------------------------------|
| Nominal Range | 0 – 20 ppm |
| Maximum Overload | ND |
| Expected Operation Life | 2 years in air |
| Output Signal | 400 ± 150 nA/ppm |
| Resolution | 0,2 ppm |
| Temperature Range | - 20 °C to 45 °C |
| Pressure Range | Atmospheric ¹⁾ |
| Pressure Coefficient | No data |
| T ₉₀ Response Time | < 60 sec |
| Relative Humidity Range | 15 % to 90 % R.H. non-condensing |
| Typical Baseline Range (pure air, 20°C) | < 1 ppm |
| Maximum Zero Shift (+20°C to +40°C) | ND |
| Expected Long Term Output Drift | < 2 % signal loss/month |
| Recommended Load Resistor | 10 - 20 Ohm |
| Bias Voltage | Not allowed |
| Repeatability | < 2 % of signal |
| Output Linearity | Linear |

PHYSICAL CHARACTERISTICS

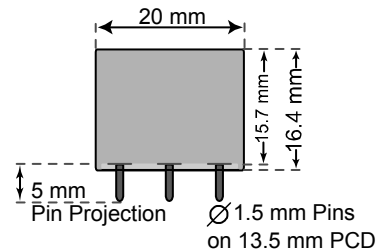
| | |
|---------------------------------|---------------------------------|
| Weight | ~ 5.4 g |
| Position Sensitivity | None |
| Storage Life | Six months in container |
| Recommended Storage Temperature | 5 °C – 20 °C |
| Warranty Period | 12 months from date of dispatch |

Miniature-Size Outline Dimensions

BOTTOM VIEW



SIDE VIEW



CROSS-SENSITIVITY DATA

| Interfering Gas | Concentration | Reading |
|-----------------|---------------|---------|
| CO | 1000 ppm | 0 ppm |
| H ₂ | 1% | 0 ppm |
| Isopropanol | vapor | 0 ppm |
| Ethylene | 100 ppm | 0 ppm |
| SO ₂ | | ND |
| NO | | ND |
| NO ₂ | | ND |

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

APPLICATIONS

Safety and Environmental Control
For Portable Gas Detectors

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