

# DAVITEQ ETHYLENE C2H4 GAS SENSOR, 1500 PPM, SERI-4

## SENSOR SPECIFICATION

| MEASURING SPECIFICATION                 |                                    |
|---|------------------------------------|
| Sensor type                             | Seri-4 electro-chemical gas sensor |
| Nominal range                           | 0-1500 ppm                         |
| Maximum overload                        | 3000 ppm                           |
| Resolution                              | 4 ppm                              |
| T80 response time                       | < 60 s                             |
| Typical Baseline Range (pure air, 20°C) | -10 ppm .. + 35 ppm                |
| Repeatability                           | < 2% of reading                    |
| Accuracy                                | +/- 5% of reading                  |
| Zero Stability                          | 0 .. 35ppm in pure Air, 20oC       |
| Temperature compensation                | Yes                                |
| WORKING CONDITIONS                      |                                    |
| Relative humidity range                 | 15 % to 90 % RH non-condensing     |
| Temperature range                       | -40 °C to 50 °C                    |
| Pressure range                          | Atmospheric ± 10%                  |
| SENSOR LIFETIME                         |                                    |
| Expected Operation Life                 | 2 years in the air                 |
| Expected Long Term Output Drift in air  | < 5 % of reading loss per month    |

## CROSS SENSITIVITY DATA

| Interfering Gas | Cross-Sens. [%] |
|-----------------|-----------------|
| CO              | < 60            |

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