DAVITEQ NITROGEN DIOXIDE NO2 GAS SENSOR, 20 PPM, SERI-4

SENSOR SPECIFICATION

MEASURING SPECIFICATION	
Sensor type	Daviteq Seri-4 electro-chemical gas sensor
Nominal range	0-20 ppm
Maximum overload	40 ppm
Filter	Inboard filter to remove acidic gases
Resolution	0.1 ppm
T90 response time	< 40 s
Typical Baseline Range (pure air, 20°C)	-0.1 ppm .. + 0.2 ppm
Repeatability	< 2% of reading
Accuracy	+/- 5% of reading
Zero Stability	0 .. 0.2 ppm 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	< 2 % of reading loss per month

CROSS SENSITIVITY DATA

Interfering Gas	Concentration (ppm)	Reading (ppm)
C2H4	100	0
CH2O	7	0
Cl2	20	15
CO	100	0
ETHANOL (C2H5OH)	60	0

H2	100	0
H2S	20	< - 20
HCL	20	0
NH3	80	0
NO	50	0
O3	1	1
SO2	5	0

Revision #4
Created Tue, Nov 8, 2022 9:54 PM by Lộc Vĩnh Nguyễn
Updated Thu, Dec 8, 2022 1:57 AM by Lộc Vĩnh Nguyễn