

AX-ANA-LED-xxx

Analytical Sensor -Dissolved Oxygen Transmitter



Product Overview

The AX-ANA-LED-xxx is an Analytical sensor for the measurement of the quantity of dissolved oxygen gas in the liquid. in either ppm or mg/l.

The sensor with its oxygen permeable membrane is immersed in the liquid and provides an electronic signal proportional to the oxygen concentration

There is the option of a relay and / or an LCD Display module.

APPLICATIONS:

- Water quality assessment
- Effluent treatment
- Checking Aeration in potable water
- Water production, wastewater treatment
- Swimming Pools

Features

- Measuring Range 0-10 or 0-20ppm
- Easy to set-up
- Temperature Compensated
- Variety of probes available

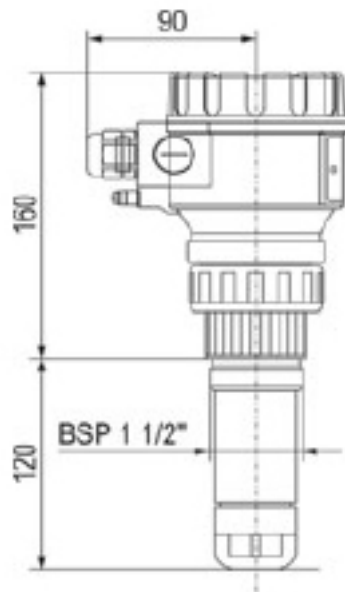
Technical Specification

Measuring Range	PPM Reserve +/- 20%
LED-111	0-10ppm
LED-121	0-20ppm (at additional cost)
Resolution	0.01ppm (internal resolution 0.005ppm)
Linearity	+/- 0.05 ppm
Accuracy	0.5% of the measured value +/- 1 digit +/- 0.01% /Deg C
Measuring Rate	300msec, on the display (refreshing rate) 1 sec
Process Temperature	0 +50 degC
Power Supply	12 to 36Vdc 720mW galvanically isolated, protected against surge transients
Output	4-20mA @1200ohms
LED-1X1-2	HART & 4-20mA
LED-1X1-4	4-20mA @1200ohms EeX
LED-1X1-6	HART & 4-20mA EeX
LED-1X1-8	4-20mA & Relay 1 x SPDT 1A @ 30Vdc
LED-1X1-R	HART & 4-20mA & Relay 1 x SPDT 1A@30Vdc
LED-1X1-H	Full featured programming LCD Display
Display (option)	SAP300
Intrinsically Safe Class	ATEX II 1 G Exia B T6 Ga
Cable Length	5m provided
Weatherproof Rating	Probe IP68 Electronic IP67
Materials	Housing Plastic (aluminium available at additional cost)
Process Connection	1 1/2" BSP Polypropylene as standard (PVDF option at additional cost) NPT option
Electromagnetic Compatability	EN61326 Class B
Country of Origin	EU

Order Codes

AX-ANA-LED-1x1-2	Analytical Dissolved oxygen Sensor with 4-20mA o/p	1 1/2" BSP
AX-ANA-LED-1x1-4	Analytical Dissolved oxygen Sensor with HART & 4-20mA o/p	1 1/2" BSP
AX-ANA-LED-1x1-6	Analytical Dissolved oxygen Sensor with 4-20mA o/p EeX	1 1/2" BSP
AX-ANA-LED-1x1-8	Analytical Dissolved oxygen Sensor with HART & 4-20mA o/p EeX	1 1/2" BSP
AX-ANA-LED-1x1-H	Analytical Dissolved oxygen Sensor with 4-20mA & Relay o/p	1 1/2" BSP
AX-ANA-LED-1x1-R	Analytical Dissolved oxygen Sensor with HART & 4-20mA & Relay o/p	1 1/2" BSP
-LCD	SAP 300 LCD Display & Programming Module	

Dimensions



Sensors



NOTE: A separated version is available at additional cost