

VisiTrace DO 120 (discontinued)

Specification Sheet (Part/REF # 243560)



Product Specifications

a-length	120 mm
Electrical Connector	M12
Measurement Principle	Oxygen dependent luminescence quenching, temperature compensation
Measuring Range	0 to 2 ppm (0 to 50 mbar)
Accuracy at 25 °C	± 0.5 ppb or 2 % whichever is greater
Drift at Room Temperature	< 1 % per week @ 100 ppb
Sensor Cap	ODO Cap L0
Electrolyte	None
Oxygen Consumption	None
Temperature Sensor	NTC 22 kOhm
Configurable Values	DO: mbar; %-sat; %-vol; µg/l; mg/l; ppb/ppm (gas); ppb/ppm (dissolved oxygen); Temperature: °C, °F, K
Diameter	12 mm
Process Connection	PG13,5
Wetted Parts	Stainless Steel 1.4435 EPDM (Ethylene propylene elastomer) Silicone - FDA 21 CFR 177.2600 VMQ (Silicone elastomer) See compliance details in Material Specification document
Surface Quality of Steel	Ra < 0.4 µm (N5)
4 to 20 mA Current Range	3.5 to 22 mA
Analog Interface 1	Two wire sink 4 to 20 mA for DO, programmable
4 to 20 mA Accuracy	< 0.3 % + 0.05 mA
Transmitting Power	Max. 4 dBm
Digital Interface	Bluetooth 4.0
Operating Voltage	18 to 30 VDC
Serial Number	Yes
Response Time	t90% < 20 s in gas; < 90 s in water
Certificate	Yes, with measured current in oxygen
ATEX Approval	No
IECEX Approval	No
Autoclavable	No
CIP	Yes
Steam Sterilizable	Yes, max. Temperature 140 °C

Operating Temperature Range	-10 to 140 °C; the sensor provides no DO reading above 85 °C
Pressure Range bar g	-1 to 12 bar
Protection Rating	IP 68
Required Flow	None

Specifications are subject to change without notice

<https://www.hamiltoncompany.com/sensors/243560>

Spec. Version D