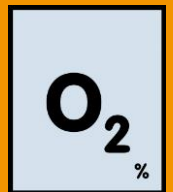




FluoMini Optical Pro O₂ | T-sensor Specifications



Measuring range O ₂ in gas	0 to 40 % Vol (@STP)
Measuring range dissolved O ₂	0 to 18 ppm (@STP)
Measuring range O ₂ saturation in water	0 to 200 % (@STP)
Temperature operation range	5 to + 45°C
Pressure operation range	0 to 1.5 bar abs.
Accuracy O ₂ at > 0% O ₂ < 1% O ₂	0.1 % O ₂
Accuracy O ₂ at > 1% O ₂ < 25% O ₂	0.2 % O ₂
Accuracy O ₂ at > 25% O ₂	1 % O ₂
Accuracy Temperature	1°C
Accuracy Pressure	5 mBar
Accuracy dissolved O ₂ at 0 to 1 ppm	0.01 ppm
Accuracy dissolved O ₂ at >1 ppm	1 % O ₂
Accuracy O ₂ saturation in water at 0 to 10 %	0.1 % O ₂
Accuracy O ₂ saturation in water at > 10 %	1 % O ₂
Resolution O ₂	0.01% O ₂
Resolution O ₂ saturation in water	0.01 % (0-10%) 0,1% (10-100%)
Resolution Temperature	0.1°C
Resolution Pressure	1 mBar
Response time Gas (T90)	< 5s
Response time Water	< 60s (dependent on flow rate)

Other specifications

Value

Connectivity	USB
Output signal	USB serial interface port
Supply Voltage	through USB-port (5V, <200 mA)
Dimensions (l*b*h in mm)	169 * 62 * 25
Weight (g)	235
Housing material	Aluminium, with ABS covers
Electrical connections	M5 4-pole male
Pressure sensor pipe (optional)	SS 316 , 2mm OD, l=15mm
Protection class	IP54
Battery Lifetime	48h at 5 sec interval 2 weeks at 60 sec interval



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