

Specifications		pH	Dissolved Oxygen
Measurement range	6.0 – 8.5		0 – 250 % air saturation
Resolution*	± 0.05 pH at pH = 7		± 2 % air saturation at 100 % air saturation
Precision*	± 0.2 pH at pH = 7 (Sensor batch calibration) ± 0.1 pH at pH = 7 (Sensor spot calibration)		± 5 % air saturation at 100 % air saturation
Drift*	< 0.1 pH within one week (sampling interval 10 min.)		< 1 % air saturation within one week (sampling interval 10 min.)
Measurement temperature range	15 – 45 °C		15 – 45 °C
Response time* (t ₉₀)	< 30 s		< 30 s
Properties			
Compatibility	aqueous solutions, ethanol, methanol (max. 10 % v/v), pH 2 – 10		
Cross-sensitivity	reduced to ionic strength (salinity); high concentration of small fluorescent molecules in the visible range can interfere		
Calibration	HydroDishes and OxoDishes are factory-calibrated		
Device	SensorDish® Reader	Splitter	Power adapter
Type	SDR v3 or higher	SP1.1 or higher	Mascot 9920
Cleaning	ethanol (moist cloth)		
Input	18 – 24V DC 150 mA	18 – 24V DC 1.5 A	100 – 240V AC 50-60Hz max. 0.9 A
Weight	380 g	240 g	
Dimensions	16.3 cm x 8.9 cm x 2.2 cm	12.4 cm x 8.0 cm x 4.5 cm	
Certification	CE Category B	CE Category B	CE Category B, EN60950, UL2601-1

* in physiological solutions, at 37°C