

SFS / SPS / CFS		
Specifications	Dissolved Oxygen	pH
Measurement range	0 - 100 % O <sub>2</sub>	5.5 - 8.5 pH
Resolution	± 0.01 % O <sub>2</sub> at 0.21 % O <sub>2</sub> ± 0.1 % O <sub>2</sub> at 20.9 % O <sub>2</sub>	± 0.01 pH at pH = 7
Accuracy	± 0.4 % O <sub>2</sub> at 20.9 % O <sub>2</sub> ± 0.05 % O <sub>2</sub> at 0.2 % O <sub>2</sub>	± 0.05 pH at pH = 7 with one-point adjustment ± 0.1 pH at pH = 7 with pre-calibration
Drift	< 0.01 % O <sub>2</sub> per day (sampling interval of 1 min.)	< 0.005 pH per day (sampling interval of 1 min.)
Response time (t <sub>90</sub> ) at 25 °C	< 30 sec.	
Temperature range	from 5 °C to 50 °C	
Compatibility	Aqueous solutions, ethanol, methanol (max. 10 % V/V), pH 2 - 10	
Calibration	Pre-calibrated Disposables are delivered irradiated	
Additional Information		
Equipment	Fibox 3, Oxy-4/10 mini, SFR	pH-1/4/10 mini, SFR

Specifications	96-well OxoPlate	96-well HydroPlate	24 / 6-well OxoDish®	24 / 6-well HydroDish®
	Dissolved Oxygen	pH	Dissolved Oxygen	pH
Measurement range	0 - 30 % O <sub>2</sub>	pH 5.0 - 8.0	0 - 50 % O <sub>2</sub>	pH 6.0 - 8.5
Resolution*	± 0.2 % O <sub>2</sub> at 0.21 % O <sub>2</sub> ± 0.6 % O <sub>2</sub> at 20,9 % O <sub>2</sub>	± 0.01 pH at pH = 7	± 0.4 % O <sub>2</sub> at 20,9 % O <sub>2</sub>	± 0.05 pH at pH = 7
Precision*	± 0.4 % O <sub>2</sub> at 0.21 % O <sub>2</sub> ± 1.0 % O <sub>2</sub> at 20,9 % O <sub>2</sub>	± 0.05 pH at pH = 7	± 1 % O <sub>2</sub> at 20,9 % O <sub>2</sub>	± 0.2 pH at pH = 7 (Sensor batch calibration) ± 0.1 pH at pH = 7 (Sensor spot calibration)
Drift*	< 0.2 % air saturation per h (sampling interval 1 min.)	< 0.002 pH per h (sampling interval 1 min.)	< 0.2 % O <sub>2</sub> within one week (sampling interval 10 min.)	< 0.1 pH within one week (sampling interval 10 min.)
Response time (t <sub>90</sub> ) at 25 °C	< 30 sec.		< 30 sec.	
Measurement temperature range	15 - 45 °C		15 - 45 °C	
Formats	round and flat bottom		24 / 6	
Maximum filling volume	300 µl (round bottom) 400 µl (flat bottom)		3 ml (24-well) 15 ml (6-well)	
Compatibility	Aqueous solutions, ethanol, methanol (max. 10 % V/V), pH 2 - 10			
Calibration	Needs to be calibrated		Pre-calibrated Disposables are delivered irradiated	
Additional Information				
Equipment	Fluorescence Plate Reader (with bottom reading and dual mode)		SensorDish® Reader SDR	
Indicator filters	540 / 650 nm	485 / 538 nm		
Reference filters	540 / 590 nm	485 / 620 nm		

\* in physiological solutions