

Technical specifications

Measuring range	
Refractive index (RI) at 20°C	1.3330 - 1.5040
Brix	0° to 85°
Sample temperature	10 °C - 100 °C (50 °F - 212 °F)
PSU (practical salinity units)	0 - 50
Salinity ppt (parts per thousand)	0 - 150
Salinity S.G. (20/20)	1.000 - 1.114
Accuracy	
Refractive index (RI)	±0.0003
Brix	±0.2°
Temperature	0.5 °C (0.9 °F)
PSU (practical salinity units)	±2
Salinity ppt (parts per thousand)	±2
Salinity S.G. (20/20)	±0.002
Resolution	
Refractive index (RI)	0.0001
Brix	0.1°
Temperature	0.1 °C (0.1 °F)
PSU (practical salinity units)	1
Salinity ppt (parts per thousand)	1
Salinity S.G. (20/20)	0.001
Further specifications	
Sample volume	0.4 mL
Measurement time	<2 s
Automatic temperature compensation 20 °C (ATC) %Brix	10 °C - 100 °C (50 °F - 212 °F)
Automatic temperature compensation 20 °C (ATC) PSU, ppt, S.G. (20/20)	10 °C - 40 °C (50 °F - 104 °F)
Mobile operating system	Android and iOS
Data	
Dimensions (L x W x H)	108 mm x 64 mm x 35 mm (4.3 in x 2.5 in 1.4 in)
Weight (incl. batteries)	~135 g (0.31 lbs)
Power supply	2x AAA 1.5V LR03 alkaline batteries (included) or AAA NiMH rechargeable batteries
Enclosure rating	IP66 according to IEC 60529
Condition	
Ambient temperature	10 °C - 40 °C (50 °F - 104 °F)
Air humidity	5% RH - 95% RH, non-condensing
Battery lifetime	~10,000 measurements
Storage temperature	10 °C - 40 °C (50 °F - 104 °F)
Interface	Bluetooth™ Low Energy
Frequency band	2400 MHz - 2480 MHz
Transmitter power	7.5 dBm max. (5.6 mW max.)
Part	
Material	
Sample area	Stainless steel and glass, FKM O-Ring
Enclosure housing	Flame retardant PBT/PC, UL94-V0