

# IQ Scientific Instruments

Available 1-2-2008





 Bluetooth™

The IQ180G meter is a waterproof, multi-parameter meter. This rugged meter system is IP 67 rated, showcases an extra large LCD display with LED backlight, and has the ability to accurately measure pH (ISFET or glass), Conductivity, TDS, Salinity, ORP, mV, Temperature, ISE

and Dissolved Oxygen with automatic barometric pressure compensation and automatic or manual salinity compensation. The IQ180G also features automatic conductivity cell constant recognition with auto ranging, and up to five-point conductivity and TDS calibration. This ultra-rugged meter system is engineered to withstand harsh use in the most difficult of applications.

**IQ180 Features include:**

- Dual Technology pH with either stainless steel, non-glass ISFET probes or traditional glass electrodes with BNC connector
- IP67 Waterproof, Chemical Resistant, Dust Resistant, Floating Enclosure
- -2 to +19 pH range
- 0.1 or 0.01 pH resolution
- Up to five-point pH calibration
- Conductivity, TDS (Total Dissolved Solids) and Salinity measurement
- Automatic Conductivity cell constant recognition
- Five point conductivity calibration
- Dissolved Oxygen measurement with automatic barometric pressure compensation
- Two point user selectable DO calibration
- Ability to use Winkler Calibration Values
- Automatic or manual temperature compensation
-  Bluetooth™ wireless remote control & data transfer
- GLP compliant with Date & Time stamping
- Calibration Recall
- Recalibration Alarm
- Password protected setup
- Stores 999 data points
- ISE capability

Catalog Number		IQ180G 
Description		GLP compliant Waterproof pH, mV, Temp, ORP, Conductivity, TDS, Salinity, DO and ISE with Bluetooth
Probe Types		Accepts non-glass ISFET pH probes or traditional glass electrodes with BNC connector, 4 Cell Conductivity probes with waterproof connector, DO Electrode and ISE Combination Electrodes with BNC connectors
Range	pH	-2.00 to 19.00
	mV	±1999 mV
	Temp	0 to +100 °C (Display °C or °F)
	Conductivity	0.00 µS to 199.9 mS (Auto ranging)
	TDS	0.00 ppm to 200 ppt (Auto ranging) Displays also 0.00 mg/L to 50 g/L
	Salinity	0 to 80 ppt
	Dissolved Oxygen (DO)	0.0% to 199.9% Saturation 0 to 19.99 ppm or mg/l Salinity Correction: Automatic Barometric Pressure Compensation: Automatic
	Barometric Pressure	500-1499 mm Hg or 666 hPa to 1999 hPa
	ISE	0.0 ppm to 1999 ppt (Auto ranging)
Resolution	pH	0.01 pH
	mV	0.1/1 mV
	Temp	0.1 °C or 0.1°F
	Conductivity	0.01 µS to 0.1 mS
	TDS	0.01 ppm to 1 ppt or 0.01mg/L to 0.1 g/L
	Salinity	0.1 ppt
	DO	0.1 % 0.01 ppm or mg/l
	Barometric Pressure	1 mm Hg or 1 hPa
	ISE	0.1 ppm 0.1 ppt
Accuracy	pH	±0.01 pH
	mV	±0.1 mV
	Temp	±0.5 °C
	Conductivity	±1% full scale of ±1 digit
	TDS	±1% full scale of ±1 digit
	Salinity	±0.1 ppt (-2 to 35 °C )
	DO	+/- 1.5% full scale
	ISE	Probe dependent
GLP		Yes
Memory		999
Display		Large LCD with LED Backlight
Temperature Compensation		Manual or Automatic 0 to +100 °C
Calibration		Up to 5 points
Buffer Recognition	Automatic	1.68, 4.01, 6.86, 7.00, 9.18, 10.01, 12.45
Power		4-AA batteries (included)
Battery Life		Up to 200 hours continuous 10 hour advance low battery warning
Dimensions		3.5" W x 8" H x 2" D (90mm x 204mm x 50mm)
Shipping Weight		3.0 lbs (1.3 Kg)