

MULTI-PARAMETER WATER QUALITY PROBE 5600-0703



FIELD PROVEN MULTI-PARAMETER WATER QUALITY SENSOR PACKAGE



FEATURES

- Four built-in expansion ports
- 1.75" diameter housing is ideal for ground water monitoring, portability, and limited space environments
- Rugged, waterproof (NEMA 6) case with handstrap
- Downloads directly to a PC (no proprietary software required)
- Optional GPS and Barometric Pressure
- Dissolved Oxygen (D.O.) easily-maintained, field-proven Clark cell
- Turbidity - new shutter design (pat. pending) opens only for measurements - no need to wipe the optical surfaces
- **BASIC MEASUREMENT PACKAGE***: Temperature, Specific Conductance, pH, D.O., ORP, Depths, Chlorophyll, 15 Meter Cable & Circulator
- Ammonia
- Specific Conductance
- Nitrates
- Salinity B Chloride
- Chlorophyll B ORP
- Total Dissolved Gas B pH - reference electrode rebuildable in seconds
- Conductivity: non-corroding graphite electrodes in a free-flowing, easily-maintained cell
- Sample Circulator: fast, repeatable DO measurements & minimal membrane fouling; uses water flow for a more representative sample ensuring more reliable measurements for all sensors.
- Computer Interface: RS-232, RS-485, RS-422, SDI-12
- Memory: 120,000
- Power: 4 or 8 "AA" batteries
- Typical Battery Life: internal battery pack: 9 -13 days, extended battery pack: 22- 31 days
- Operating Temperature: -5°C to 50°C
- Maximum Depth: 225 m
- Outer Diameter - 1.75" / 4.4 cm,
- Length 21" / 53.3 cm Weight 2.2 lbs / 1.0 kg with battery pack 24.5" / 62.2 cm
- Weight 2.5 lbs / 1.1 kg with extended battery pack

SPECIFICATIONS

TYPICAL PERFORMANCE SPECIFICATIONS			
PARAMETER OPTIONS	RANGE	ACCURACY	RESOLUTION
Temperature	-5 to 50°C	± 0.10°C	0.01°C
Specific Conductance	0 to 100 mS/cm	± 1% of reading ± 0.001 mS/cm	4 digits
pH	0 to 14 units	±0.2 units	0.01 units
Dissolved Oxygen	0 to 20 mg/l	± 0.2 mg/l	.01 mg/l
ORP	-999 to 999 mV	± 20 mV	1 mV
Vented Level / 0 - 10 m	0 to 10 m	± 0.03 m	0.001 m
Depth	0 to 25 m	± 0.08 m	0.01 m
	0 to 100 m	± 0.3 m	0.01 m
	0 to 200 n	± 0.6 m	0.01 m
	Salinity	0 to 70 ppt	± 0.2 ppt
Turbidity (Shuttered)	0 to 100 or 0 to 1000 NTU	± 2.6% of range	0.1 or 1 NTU
Turbidity	0 to 100 or 0 to 1000 NTU	± 5% of range	0.1 or 1 NTU
Ammonium(a)	0 to 100 mg/l-N	greater of ± 5% of reading r ± 2 mg/l-N (typical)	0.01 mg/l-N
Nitrate	0 to 100 mg/l-n	greater of ± 5% of reading or ± 2 mg/l-N (typical)	0.01 mg/l-N
Chloride	0.5 to 18,000 mg/l	greater of ± 5% of reading or ± 2 mg/l-N (typical)	
Total Dissolved Gas	400 to 1300 mmHg	± 0.1% of span (max. immersion depth: 30 m)	0.1 mmHg
Transmissivity	0-100%	0.2%	0.1%
Ambient Light	0 to 10,000 μmol s ⁻¹ m ⁻²	± 5% of reading or ± 1 μmol s ⁻¹ m ⁻²	μmol s ⁻¹ m ⁻²
Chlorophyll	0.03 to 75 μg/l	± 3.5 μg/l	0.01 μg/l
Global Positioning System		25 m CEP (50%) without SA DGPS - 2 m CEP (50%)	



*There is no "standard" Multiparameter Water Quality model. Each sensor is customized according to the parameters to be measured. When ordering, please specify which parameters the sensor must include. Choose from "PARAMETER OPTIONS" above. If you have any questions, please call Sales Administration, (703)406-2800.