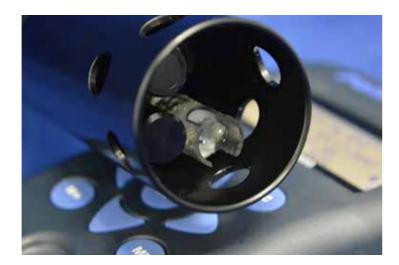
## Macro 900 Water Quality System

More than a meter and a heavy-duty probe, the Macro 900 Water Quality System is a full monitoring station built for application specific configuration and short to medium term field deployment.

- Fully customisable for your own application
- Guaranteed long life with Kevlar cables
- Store 1000 data sets for full data analysis
- Perform location tracking and analysis with in-built GPS



## Creating your bespoke Macro 900 Water Quality System is a simple process of combining three core components:

- The Macro 900 Meter completely waterproof and supplied in a rugged carry case with space for probes and accessories. The Meter provides data capture (3000 sets), probe configuration and calibration whilst also measuring atmospheric pressure (for automatic DO correction) and GPS position.
- The Macro Accessory Probe (MAP)
- manufactured in anodized marine-grade aluminium, the MAP is available with or without depth. Including pH/ORP, temperature, conductivity, TDS, salinity, resistivity, SSG and optical DO as standard, the probes are designed for up to 30m immersion and narrow enough for boreholes insertion.
- Accessories fully bespoke your system by selecting the Kevlar-reinforced cable length(s) of up to 30m, ion selective electrodes and/or optical probes for additional parameters plus calibration solutions and other system hardware.

The MacroLink software suite included provides professional data reports including results mapped to geographical outputs



Product	Part Code
Macro 900 Meter and case	PT1401
MAP 2000 Probe with core parameters	PT1528
MAP 2100 Probe with core parameters plus depth	PT1529

	Range	Resolution	Accuracy	
pH	0 – 14	0.01	±0.01	
ORP	-2000 to 2000 mV	0.1 mV	±5 mV	
Temperature	-5 to 50 °C	0.01°C	±0.1°C	
Conductivity (EC)	0 to 200,000 µS/cm	1 (0 to 9,999 µS/cm) 0.01 (10.00 - 99.99 mS/cm) 0.1 (100.0 - 200.0 mS/cm)	±1% of reading or ±1µS/cm, whichever is greater	
Total Dissolved Solids	0 to 100,000 mg/L	1 (0 - 9,999 mg/L) 0.01 (10.00 - 100.00 g/L)	±1% of reading or ±1 mg/L, whichever is greater	
Resistivity	$5\Omega$ .cm - $1$ M $\Omega$ .cm	l (5 – 9,999 $\Omega$ .cm) 0.1 (10.0 – 1,000.0 k $\Omega$ .cm)	±1% of reading or ±1 $\Omega\text{.cm},$ whichever is greater	
Salinity	0 - 70 PSU 0 - 70.00 ppt (g/kg)	0.01PSU 0.01 ppt	±1% of reading or ±0.1 unit, whichever is greater	
Seawater Specific Gravity	0 - 50 σ	0.1 σ	±1.0 <b>o</b>	
Dissolved Oxygen	0 - 50 mg/L 0 - 500% saturation	0.01 0.1%	±1% (0 - 20 mg/L/0 -200%) ±10% (20 - 50 mg/L, 200 - 500%)	
Depth (MAP 2100)	± 0 – 60 m	0.0 <u>1</u> m	±2%	
Optional Accessories Cables  Kevlar-reinforced inner with all metal connectors for high integrity connection. Bespoke lengths available on request.				
3m			PT1530	
10m		PT1531		
20m			PT1532	
30m			PT1533	
Optional Probes  Up to two ISEs or one ISE and one optical probe can be inserted simultaneously, and exchanged or removed as required.				
Ion Selective Electrodes (ISE)		Range Part Code		
Ammonia/Ammonium		0 – 9,000 m	ng/L PT1541	
Calcium		0 – 2,000 m	ng/L PT1544	
Chloride		0 - 20,000 mg/L PT154		
Fluoride		0 - 1,000 mg/L PT1545		
Nitrate		0 - 30,000 mg/L PT1542		
Optical Probes		Range	Part Code	
Blue-Green Algae (fresh wate	er)	0 – 300,000 ce	ells/mL PT1552	
Blue-Green Algae (seawater)		0 - 300,000 cells/mL PT1553		
Chlorophyll		0 – 500 μς	y/L PT1556	
vissolved Organic Material (CDOM/FDOM) 0 - 20,000 µg/L		ug/L PT1558		
Fluorescein		0 – 500 μς	y/L PT1555	
Refined Oil (Hydrocarbons)		0 - 10,000 <sub>k</sub>	ig/L PT1557	
Rhodamine WT 0 - 500 µg/L		y/L PT1554		
Turbidity		0 – 3,000 N	ITU PT1551	
Additional Accessories			Part Code	
Flow Cell (for use with third-po	arty pumping device)		PT1570	
Probe Hanger			PT1571	