

Part of the Aquaread® ECO range

AP-700 AP-800



The New Entry Level Packages

Packages include the following:

- AP-700 or AP-800 Aquaprobe® with 3m cable
- Handheld GPS Aquameter®
- 250ml RapidCal calibration solution
- Spare DO membrane cap, DO filling solution and pH storage solution
- USB cable and Windows PC application
- Lanyard, screwdriver & 5 AA batteries to power the GPS Aquameter®

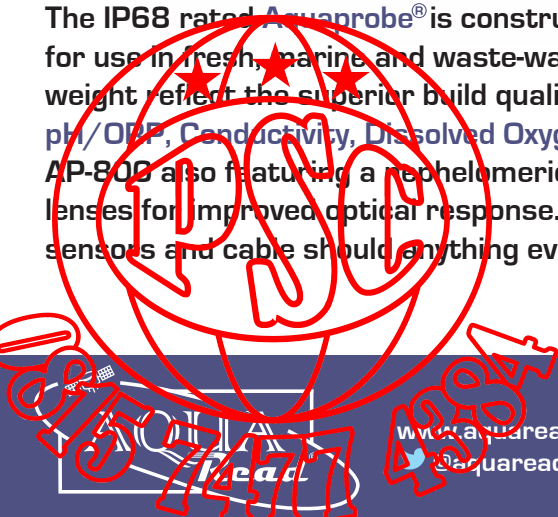
The Full Water Monitoring Package Supplied in Carry Case for Portable Use

The GPS Aquameter®



The GPS Aquameter® is rated IP67 for use outside even in the rain. It is rugged and very easy to use. Record your data at the push of a button and download the data to a PC for manipulation and reporting. The integrated GPS means you will always know where your data was captured.

The IP68 rated Aquaprobe® is constructed of marine grade aluminium and is designed for use in fresh, marine and waste-water applications. Its metal construction and weight reflect the superior build quality of the instrument. The probes feature pH/ORP, Conductivity, Dissolved Oxygen and Temperature sensors, with the AP-800 also featuring a nephelometric Turbidity sensor that utilises sapphire lenses for improved optical response. It features factory replaceable sensors and cable should anything ever go wrong.



AP-700 Package Parameters

- pH/ORP
- 4 ring Conductivity*
- Dissolved Oxygen (galvanic)
- Temperature

* Additional parameters are calculated from the EC and Temperature readings

AP-800 Package Parameters

- pH/ORP
- 4 ring Conductivity*
- Dissolved Oxygen (galvanic)
- Turbidity
- Temperature

Standard Parameter Specification

Dissolved Oxygen	Range	0 – 500.0% / 0 – 50.00 mg/L
	Resolution	0.1% / 0.01mg/L
	Accuracy	0 - 200%: $\pm 1\%$ of reading. 200% - 500%: $\pm 10\%$
Conductivity (EC)	Range	0 – 200 mS/cm (0 - 200,000 μ S/cm)
	Resolution	3 Auto-range scales: 0 – 9999 μ S/cm, 10.00 – 99.99 mS/cm, 100.0 – 200.0mS/cm
	Accuracy	$\pm 1\%$ of reading or $\pm 1\mu$ S/cm if greater
TDS*	Range	0 – 100,000 mg/L (ppm)
	Resolution	2 Auto-range scales: 0 – 9999mg/L, 10.00 – 100.00g/L
	Accuracy	$\pm 1\%$ of reading or ± 1 mg/L if greater
Resistivity*	Range	5 Ω •cm – 1 M Ω •cm
	Resolution	2 Auto-range scales: 5 – 9999 Ω •cm, 10.0 – 1000.0 K Ω •cm
	Accuracy	$\pm 1\%$ of reading or ± 1 Ω •cm if greater
Salinity*	Range	0 – 70 PSU / 0 – 70.00 ppt (g/Kg)
	Resolution	0.01 PSU / 0.01 ppt
	Accuracy	$\pm 1\%$ of reading or ± 0.1 unit if greater
Seawater Specific Gravity*	Range	0 – 50 σ_t
	Resolution	0.1 σ_t
	Accuracy	± 1.0 σ_t
pH	Range	0 – 14 pH / ± 625 mV
	Resolution	0.01 pH / ± 0.1 mV
	Accuracy	± 0.01 pH / ± 5 mV
ORP	Range	± 2000 mV
	Resolution	0.1mV
	Accuracy	± 5 mV
Temperature	Range	-5°C – +50°C (23°F – 122°F)
	Resolution	0.1° C/F
	Accuracy	$\pm 0.5^\circ$ C
Turbidity**	Range	0 – 3000 NTU
	Resolution	2 Auto-range scales: 0.0 99.9 NTU, 100 – 3000 NTU
	Repeatability	$\pm 2\%$ of reading

* Readings calculated from EC and temperature electrode values

** Turbidity only available on the AP-800

Aquaread Limited are a UK based company who supply water monitoring instruments across the world. The company has won awards for achievements in export and growth and in science and technology; in recognition for their innovative designs.

"Our instruments are routinely used in many different applications, in many different countries. We offer a full and feature packed range of instruments, and we are very excited to be able to bring this high quality entry level package to the market. We want to make water monitoring more affordable."
Chris Peacock, Aquaread Director.

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