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Aqua-C



请使用翻译作用于这页底部以翻译页对汉语。

TPS Australia - Quality hand-made instruments since 1968.

Aqua-C Waterproof Conductivity-TDS-Temperature Meter



[Full Size Image](#)

- ◆ **Dual readout of Conductivity or Salinity and Temperature**
- ◆ **Waterproof to IP65**
- ◆ **Easy to use**
- ◆ **One-touch calibration**
- ◆ **Full-text prompting and error messages**
- ◆ **Large digit mode**
- ◆ **Fold-out stand for bench use**
- ◆ **Australian Made**

Aqua-C

Now there's a handheld Conductivity, TDS and Temperature meter with automatic range selection, at a budget price.

Genuine one-touch Conductivity and TDS calibration makes the **Aqua-C** very easy to use.

Linearised TDS values are calculated by the software, for maximum accuracy over a broad range.

The standard **Aqua-C** kit includes electrode and standards, ready for immediate use.

An optional hard carry case is also available.

Rugged and Reliable

TPS has used the latest microprocessor electronics to totally eliminate all internal and external adjustments. The result is a dramatic increase in reliability. The unit is ideal for field or factory use.

The electrode supplied is made of Ryton plastic for maximum durability and chemical resistance.

24 Character Alphanumeric Display

The two-line, 24 character display shows the Conductivity or TDS reading plus temperature simultaneously. A Large Digit mode is available, which shows one reading at a time at almost double the size. The **Aqua-C** is simple to use, plain English prompts and error messages are provided. There are no codes to interpret like some other brands.

One-touch Calibration

Calibration of the **Aqua-C** could not be simpler. Just place the electrode into a standard Conductivity or TDS solution and press the Calibrate key. That's all there is to it !

The **Aqua-C** displays probe condition after calibration.

All calibration information is stored in memory when the **Aqua-C** is switched off, even if the battery is removed.

Automatic Range Selection

Automatic range selection simplifies use of the **Aqua-C** even further. When a measurement is taken, the **Aqua-C** automatically selects the range that will provide readout to the best resolution.

Low Battery Drain

The **Aqua-C** will provide in excess of 70 hours of continuous use with an alkaline 9 volt battery.

A handy battery-saver function switches the **Aqua-C** off after 5 minutes if no keys have been pressed. This function can also be disabled for continuous operation.

Automatic Temperature Compensation

Correct temperature compensation is vital for accurate Conductivity and TDS measurements. The microprocessor in the **Aqua-C** therefore performs all temperature compensation calculations.

Australian Quality

The Aqua Series is proudly designed and manufactured in Australia. Our aim is to provide you with the best quality, service and value for money. The TPS Quality System has been certified in accordance with the AS/NZS ISO 9001 standard. Since 1968, TPS has built a reputation for

excellent backup service that is second to none.

Specifications

Conductivity

Ranges : 4 ranges with auto range selection

k=0.1 Sensor : 0 to 2.000 uS/cm
 0 to 20.00 uS/cm
 0 to 200.0 uS/cm
 0 to 2000 uS/cm

k=1 Sensor : 0 to 20.00 uS/cm
 0 to 200.0 uS/cm
 0 to 2000 uS/cm
 0 to 20.00 mS/cm

k=10 Sensor : 0 to 200.0 uS/cm
 0 to 2000 uS/cm
 0 to 20.00 mS/cm
 0 to 200.0 mS/cm

Resolution : 0.05% of range

Accuracy : 0.2% of full scale of selected range

TDS

Ranges : 4 ranges with auto range selection.

k=0.1 Sensor : 0 to 1.000 ppM
 0 to 10.00 ppM
 0 to 100.0 ppM
 0 to 1000 ppM

k=1 Sensor : 0 to 10.00 ppM
 0 to 100.0 ppM
 0 to 1000 ppM
 0 to 10.00 ppK

k=10 Sensor : 0 to 100.0 ppM
 0 to 1000 ppM
 0 to 10.00 ppK
 0 to 100.0 ppK

Resolution : 0.1% of range

Accuracy : 0.5% of full scale of selected range

Temperature

Range : -10.0 to 120.0 °C
 (sensor limit 60 °C)

Resolution : 0.1 °C

Accuracy : +/-0.2 °C

Conductivity/TDS Span Range

75% to 133% of nominal k factor

Temperature Compensation

Automatic, 0 to 100 °C.

Automatic Standards Recognition

Conductivity : 150 uS/cm
 1413 uS/cm
 2.76 mS/cm
 12.88 mS/cm
 58.0 mS/cm

TDS : 69.5 ppM
 2.00 ppK
 8.00 ppK
 36.0 ppK

Enclosure

Tough, ABS plastic case, waterproof to IP65.

Display

24 Character alphanumeric LCD with full-text prompts and error messages.

Battery Saver Function

On : Automatically switches off after 5 minutes of no use.

Off : Unit remains on for continuous use.

Power

9V Alkaline battery for 70+ hours.

Dimensions

158 x 80 x 31 mm

Mass

Instrument only : Approx 250g

Aqua-C

Full Kit : Approx 1.5kg

Environment

Temperature : 0 to 45 °C
Humidity : 0 to 90% R.H.

Ordering Information

Part No	Part No
Aqua-C Cond/TDS/ATC/Temp 1m...122162/1	Options and Accessories
Aqua-C Cond/TDS/ATC/Temp 1m...122162/3	
Aqua-C Cond/TDS/ATC/Temp 1m...122162/5	
1, 3 & 5 metre Options Include	Cable Extension:
1 metre bundle 122162/1:	Extra cable, per metre.....130040
k=1.0 Cond/ATC/Temp 1m, plastic.122201	
2.76 mS/cm Cond Standard, 200mL.122306	
2.0 ppK TDS Standard, 200mL.....122307	
9V Alkaline Battery130026	
Manual.....130050	
3 metre bundle 122162/3:	Carry case:
k=1.0 Cond/ATC/Temp 3m, plastic.122236	Aluminium Carry Case.....130057
2.76 mS/cm Cond Standard, 200mL.122306	
2.0 ppK TDS Standard, 200mL.....122307	
9V Alkaline Battery130026	
Manual.....130050	
5 metre bundle 122162/5:	Same Price Interchange Option:
k=1.0 Cond/ATC/Temp 5m, plastic.122198	Choose between k=0.1, k=1 and k=10
2.76 mS/cm Cond Standard, 200mL.122306	Range Conductivity Sensors
2.0 ppK TDS Standard, 200mL.....122307	
9V Alkaline Battery130026	
Manual.....130050	
	1 metre Plastic (for 1 metre bundle 122162/1)
	k=10 Cond/ATC/Temp 1m, plastic.122221
	k=0.1 Cond/ATC/Temp 1m, plastic.122235
	3 metre Plastic (for 3 metre bundle 122162/3)
	k=10 Cond/ATC/Temp 3m, plastic.122237
	k=0.1 Cond/ATC/Temp 3m, plastic.122238
	5 metre Plastic (for 5 metre bundle 122162/5)
	k=10 Cond/ATC/Temp 5m, plastic.122219
	k=0.1 Cond/ATC/Temp 5m, plastic.122199
	1 metre Glass (for 1 metre bundle 122162/1)
	k=1 Cond/ATC/Temp 1m, glass...122216
	k=1 Cond/ATC/Temp Low Volume ..122214
	k=10 Cond/ATC/Temp 1m, glass...122229
	k=0.1 Cond/ATC/Temp 1m, glass...122212



[Download this Specification Sheet in PDF format.](#)



[Download the full colour Aqua Series Brochure \(1.77 MB PDF\).](#)

Aqua-C



[Download the handbook for this instrument.](#)

Hint : Right click on a link, then select "Save Target As..." or "Save Link Ss..." to save the file to your own computer.

If you do not have Adobe Acrobat in your computer, a free Acrobat Reader can be downloaded by clicking on the following link.



TPS reserves the right to change any part of this specification without notice.

Version 1.1

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Aqua-C

WP-84

90-C

labCHEM-C

smartCHEM-C

microCHEM-Cond

miniCHEM-Cond

proCHEM-C

microCHEM-Salinity

miniCHEM-Salinity

proCHEM-S

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