



Quality. Service. Value.

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TPS Australia - Quality 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**

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.

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

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.

The **Aqua-C** displays probe contamination 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
 900 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
 Full Kit : Approx 1.5kg

Environment

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

Ordering Information

	Part No
Aqua-C Cond/TDS/ATC/Temp	1m...122162/1
Aqua-C Cond/TDS/ATC/Temp	1m...122162/3
Aqua-C Cond/TDS/ATC/Temp	1m...122162/5

Options and Accessories	Part No

1, 3 & 5 metre Options Include

1 metre bundle 122162/1:

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:

k=1.0 Cond/ATC/Temp 3m, plastic.122236
 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:

k=1.0 Cond/ATC/Temp 5m, plastic.122198
 2.76 mS/cm Cond Standard, 200mL.122306
 2.0 ppK TDS Standard, 200mL....122307
 9V Alkaline Battery130026
 Manual.....130050

Cable Extension:

Extra cable, per metre.....130040

Carry case:

Aluminium Carry Case.....130057

Same Price Interchange Option:

**Choose between $k=0.1$, $k=1$ and $k=10$
 Range Conductivity Sensors**

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

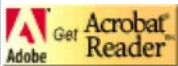
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 [Download the manual for this instrument.](#)

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

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