



# 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**

## 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 Battery .....130026  
 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 Battery .....130026  
 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 Battery .....130026  
 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

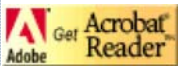
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Version 1.1

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 A.B.N. 30 009 773 371  
 Last modified: October 27, 2010

