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Aqua-CP/A

TPS Australia - Quality hand-made instruments since 1968.

[Aqua-CP/A Image](#)

Aqua-CP/A Waterproof Conductivity pH - Temperature Meter with Auto-range



[Full Size Image](#)

- ◆ **Dual readout of pH and TDS**
- ◆ **Automatically selects TDS range for best results**
- ◆ **Easy to use**
- ◆ **One-touch calibration**
- ◆ **Waterproof to IP65**
- ◆ **Full-text prompting a messages**
- ◆ **Large digit mode**
- ◆ **Fold-out stand for better viewing**
- ◆ **Australian Made**

The **Aqua-CP/A** is a waterproof, all-in-one meter for Conductivity, TDS, pH and Temperature. It features multiple Conductivity and TDS ranges, making it suitable for a wide variety of lab and field applications. The ranges are

One-touch Calibration
Calibration of the **Aqua-CP/A** is not be easier. Just place the electrode into any of the standards and press the button. It's that simple !

automatically selected to provide the best available resolution.

Genuine one-touch calibration puts an end to time-consuming calibration procedures.

The **Aqua-CP/A** comes with all the accessories needed 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.

24 Character Alphanumeric Display

The two-line, 24 character display shows the Conductivity/TDS, pH and Temperature readings simultaneously.

Alternatively, a Large Digit mode is available. This shows one reading at a time at almost double the size. To simplify use of the **Aqua-CP/A**, plain text prompts and error messages are provided. There are no codes to interpret like some other brands.

Temperature Compensation

Automatic Temperature Compensation for all parameters is provided via a temperature sensor in the Conductivity/TDS sensor.

The **Aqua-CP/A** display condition after calibrat

All calibration informati memory when the **Aqu** switched off, even if the removed.

Low Battery Drain

The **Aqua-CP/A** will pro 70 hours of continuous alkaline 9 volt battery.

A handy battery-saver switches the **Aqua-CP/** minutes if no keys have This function can also b continuous operation.

Australian Quality

The **Aqua Series** is prou designed and manufac Australia. Our aim is to | the best quality, service money. The TPS Quality is certified in accordan the AS/NZS ISO 9001 sta 1968, TPS has built a rep excellent backup servic to none.

Specifications

Conductivity

with k=0.1 sensor

Ranges : 0 to 2.000 uS/cm

pH

Range : 0 to 14.00

Resolution : 0.01 pH

0 to 20.00 uS/cm
 0 to 200.0 uS/cm
 0 to 2000 uS/cm
 0 to 10.00 mS/cm
 Resolution : 0.001 uS/cm
 0.01 uS/cm
 0.1 uS/cm
 1 uS/cm
 0.01 mS/cm
 Accuracy : +/-0.2% of full scale
 at 25 °C

with k=1.0 sensor

Ranges : 0 to 20.00 uS/cm
 0 to 200.0 uS/cm
 0 to 2000 uS/cm
 0 to 20.00 mS/cm
 0 to 100.0 mS/cm
 Resolution : 0.01 uS/cm
 0.1 uS/cm
 1 uS/cm
 0.01 mS/cm
 0.1 mS/cm
 Accuracy : +/-0.2% of full scale
 at 25 °C

with k=10 sensor

Ranges : 0 to 200.0 uS/cm
 0 to 2000 uS/cm
 0 to 20.00 mS/cm
 0 to 200.0 mS/cm
 0 to 1000 mS/cm
 Resolution : 0.1 uS/cm
 1 uS/cm
 0.01 mS/cm
 0.1 mS/cm
 1 mS/cm
 Accuracy : +/-0.2% of full scale
 at 25 °C

TDS**with k=0.1 sensor**

Ranges : 0 to 1.000 ppM
 0 to 10.00 ppM
 0 to 100.0 ppM
 0 to 1000 ppM
 0 to 5.00 ppK
 Resolution : 0.001 ppM
 0.01 ppM
 0.1 ppM
 1 ppM
 0.01 ppK
 Accuracy : +/-0.3% of full scale
 at 25 °C

with k=1.0 sensor

Accuracy : +/-0.01pH

Temperature

Range : -10.0 to :
 (Cond sens
 Resolution : 0.1 °C
 Accuracy : +/-0.2 °C

pH Input Impedance

>3 x 10¹² Ohms

pH Asymmetry Range

-1.00 to +1.00 pH

pH Slope Range

85.0 to 105.0%

Temperature Compensation

Automatic, 0 to 100 °C

pH

Automatic or manual, 0

Automatic Standard Re

Conductivity : 150 uS
 1413 uS
 2.76 mS
 12.88 mS
 58.0 mS
TDS : 69.5 ppl
 2.00 ppl
 8.00 ppl
 36.0 ppl

pH

4.00, 6.88, 7.00, 9.23

Enclosure

Tough, ABS plastic case
 IP65.

Display

24 Character alphanumeric
 full-text prompts and

Battery Saver Function

On : Automatically sw
 after 5 minutes
 Off : Unit remains on
 continuous use.

with k=1 sensor

Ranges : 0 to 10.00 ppM
 0 to 100.0 ppM
 0 to 1000 ppM
 0 to 10.00 ppK
 0 to 50.0 ppK
 Resolution : 0.01 ppM
 0.1 ppM
 1 ppM
 0.01 ppK
 0.1 ppK
 Accuracy : +/-0.3% of full scale
 at 25 °C

with k=10 sensor

Ranges : 0 to 100.0 ppM
 0 to 1000 ppM
 0 to 10.00 ppK
 0 to 100.0 ppK
 0 to 500 ppK
 Resolution : 0.1 ppM
 1 ppM
 0.01 ppK
 0.1 ppK
 1 ppK
 Accuracy : +/-0.3% of full scale
 at 25 °C

Power

9V Alkaline battery for

Dimensions

157 x 78 x 35 mm

Mass

Instrument only : Approx
 Full Kit : Approx

Environment

Temperature : 0 to 45 °C
 Humidity : 0 to 90%

Ordering Information

Part No

Aqua-CP/A Meter.....121135

Kit Includes

Combination pH Sensor...121207
 k=1.0 Cond/Temp Sensor..122201
 pH6.88 Buffer, 200mL....121306
 pH4.00 Buffer, 200mL....121381
 2.76mS/cm Std, 200mL....122306
 2.0 ppK TDS Std, 200mL..122307
 9V Alkaline Battery130026
 Aqua-CP/A Handbook.....130050

Optional Sensors

k=10/ATC/Temp, Plastic..122219
 k=0.1/ATC/Temp, Plastic.122199
 k=1.0/ATC/Temp, Glass...122216
 k=10/ATC/Temp, Glass....122212
 k=0.1/ATC/Temp, Glass...122229
 Temperature Sensor.....121247
 (when Cond sensor not in use)
 Extended cable.....130040
 (order by the metre)

Other Options

Aluminium Carry Case..
 36.0 ppK Salinity.....
 Standard, 1 Litre
 150 uS/cm Conductivity
 Standard, 1 Litre



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

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

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



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Aqua-Cond-pH

Aqua-CP/A

WP-81

Aqua-DP

WP-91

90-FL Series

labCHEM-CP

smartCHEM-Lab

smartCHEM-CP

Send mail to tps@tps.com.au with questions or comments about this web site.

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