




- [TPS Home](#)
- [Contact Us](#)
- [Products](#)
- [Distributors](#)
- [Brochures](#)
- [Prices](#)

# Aqua-DP

 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-DP Waterproof Dissolved Oxygen - pH -mV Temperature Meter



[Full Size Image](#)

- ◆ **Dual readout of Dissolved Oxygen and pH/mV**
- ◆ **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**

The Aqua-DP is a waterproof, easy-to-

**Salinity Correction**

## Aqua-DP

use, Dissolved Oxygen, pH/mV and Temperature meter. It provides accurate, reliable measurements, and is very easy to use.

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

### ***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 Dissolved Oxygen and pH sensors are designed for maximum durability in field and factory environments.

### ***24 Character Alphanumeric Display***

The two-line, 24 character display shows the Dissolved Oxygen plus pH readings simultaneously. Alternatively, a Large Digit mode is available. This shows one reading at a time at almost double the size. To simply use of the **Aqua-DP**, 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-DP** could not be simpler.

Just place the sensor into the relevant standard and press the Calibrate key. That's all there is to it !

The **Aqua-DP** displays sensor condition after calibration has been completed, allowing for preventative maintenance.

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

Salinity correction for ppm Dissolved Oxygen readings is a breeze. Simply enter the Salinity value and the **Aqua-DP** does the rest !

### ***Low Battery Drain***

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

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

### ***Temperature Compensation***

Correct temperature compensation is vital for accurate Dissolved Oxygen measurements. The **Aqua-DP** compensates for membrane permeability for all readings and also for Dissolved Oxygen solubility in ppm mode.

Temperature compensation for pH probe performance is also fully automatic.

### ***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

### ppM (mg/L)

Range : 0 to 25.0 ppM  
 Resolution : 0.1 ppM  
 Accuracy : +/-0.1 ppM

### % Saturation

Range : 0 to 250.0 %Sat'n  
 Resolution : 0.1 %Sat'n  
 Accuracy : +/-0.3 %Sat'n

### pH

Range : 0 to 14.00 pH  
 Resolution : 0.01 pH  
 Accuracy : +/-0.01pH

### mV

Range : 0 to +/-999mV  
 Resolution : 1mV  
 Accuracy : +/-1mV

### Temperature

Range : -10.0 to 120.0 °C  
 (sensor limit 50 °C)  
 Resolution : 0.1 °C  
 Accuracy : +/-0.2 °C

### Salinity Correction

User-set, from 0 to 50.0 ppK NaCl

### Oxygen Calibration

Automatic one-touch calibration in Zero solution and in Air

### pH Calibration

Automatic one-touch calibration in 4.00, 6.88, 7.00, 9.23 or 10.06 pH buffers.

### Temperature Calibration

Automatic calibration against reference thermometer

### Temp Sensor Offset Range

-10.0 to +10.0 °C

### Temperature Compensation

#### Oxygen

Dual automatic system for :  
 1. Membrane permeability  
 2. Solubility compensation in ppM mode

#### pH

Automatic, 0 to 100 °C.

### 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 100+ hours.

### Dimensions

157 x 78 x 35 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-DP pH/mV-DO2-Temp 1m.....	123152/1
Aqua-DP pH/mV-DO2-Temp 3m.....	123152/3
Aqua-DP pH/mV-DO2-Temp 5m.....	123152/5

### 1, 3 & 5 metre Options Include

#### 1 metre bundle 123152/1:

pH Sensor, 1m Surface only....	121207
DO2 Sensor - ED1 (no cable)...	123400
1m cable for Sensor (ED1).....	123228
Sensor Guard (ED1).....	123202
Membrane & filling sol'n kit..	123301
pH6.88 Buffer, 200mL.....	121306
pH4.00 Buffer, 200mL.....	121381
9V Alkaline Battery .....	130026
Manual.....	130050

#### 3 metre bundle 123152/3:

pH Sensor, 3m Submersible.....	111231
DO2 Sensor - ED1 (no cable)...	123400
3m cable for Sensor (ED1).....	123230
Sensor Guard (ED1).....	123202
Membrane & filling sol'n kit..	123301
pH6.88 Buffer, 200mL.....	121306
pH4.00 Buffer, 200mL.....	121381
9V Alkaline Battery .....	130026
Manual.....	130050

#### 5 metre bundle 123152/5:

pH Sensor, 5m Surface only....	111224
DO2 Sensor - ED1 (no cable)...	123400
5m cable for Sensor (ED1).....	123232
Sensor Guard (ED1).....	123202
Membrane & filling sol'n kit..	123301
pH6.88 Buffer, 200mL.....	121306
pH4.00 Buffer, 200mL.....	121381
9V Alkaline Battery .....	130026
Manual.....	130050

### Options and Accessories

#### pH Sensor Upgrade: for difficult samples such as meat, dairy, slurries...

pH, Intermediate Junc, 1m.....	121200/1
pH, Intermediate Junc, 3m.....	121200/3
pH, Intermediate Junc, 5m.....	121200/5

#### ORP Sensors:

ORP, Surface only, 1m.....	121262
ORP, Intermediate Junc, 1m.....	121267
ORP Calibration Solution.....	121309

#### Dissolved Oxygen Sensor Maintenance:

Membrane & filling sol'n kit...	123301
Filling Solution only, 45mL....	123303
Zero calibrate Sodium Sulphite.	123302
BOD Bottle Adaptor (ED1).....	123201

#### Carry case:

Aluminium Carry Case.....	130057
---------------------------	--------

(Whilst longer cable lengths are available, please note that the maximum submersion depth for the ED1 sensor is 3 metres)



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



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

## Aqua-DP



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

**Hint :** Right click on a link, then select "Save Target As..." or "Save Link As..." 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 1.0*

*Copyright © 2002 T.P.S. Pty Ltd*

Aqua-CP/A

WP-81

Aqua-DP

WP-91

90-FL Series

labCHEM-CP

smartCHEM-CP

smartCHEM-Lab

Web Author : TPS Pty Ltd

Copyright © 2002-2004, T.P.S. Pty Ltd

A.B.N. 30 009 773 371

Last modified: January 23, 2009