



Quality. Service. Value.

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TPS Australia - Quality instruments since 1968.

WP-84 Waterproof Conductivity-TDS- Temperature Meter



[Full Size Image](#)

- ◆ **Rugged and Waterproof**
- ◆ **User-friendly**
- ◆ **Calendar Clock**
- ◆ **Good Laboratory Practices**
- ◆ **2400 Reading Notepad**
- ◆ **Automatic Datalogging**
- ◆ **RS232 Serial Port Interface**
- ◆ **Multiple Power Options**
- ◆ **Australian Made**

The WP series enclosure is fully waterproof to IP67 rating. The connectors are rated to IP65. The case, keypad and connectors are designed for maximum durability in the harshest conditions. The WP Series is equally at home in laboratory, field or industrial environments.

Program the AutoLog function to automatically log readings into memory. Simply set the logging interval from 1 minute to 24 hours, start logging and walk away. The WP Series can log up to 2400 readings, along with the date and

The 32 character alphanumeric display features a user-friendly menu system. This guides the user through every step of operation. Full text prompting and error messages are provided. Calibration and set-up are a breeze with the WP Series.

The Calendar Clock can be displayed continuously along with the data. The date and time are recorded with every reading, when using the Notepad and AutoLog functions.

To comply with Good Laboratory Practices (GLP) standards, the WP Series store the date, time and results of the last calibration. This information can be recalled when required. All readings stored in memory are stamped with the date and time.

To reduce errors when recording readings, the WP Series has a 2400 reading Notepad. At the touch of a button, readings can be recorded into memory, along with the date and time. This is especially useful when taking readings in wet environments.

time.

The WP Series has RS232 serial port interface. All readings stored in memory and GLP information can be downloaded to a PC or printer. The RS232 serial port also allows the AutoLog function to log directly to a PC or printer. WinTPS Windows software allows the WP Series to communicate with a PC for data download.

The WP Series is supplied with a rechargeable NiMH battery and charger as standard. Chargers for all countries are available. For extended field trips a solar panel, or a charger lead for a car cigarette lighter socket are also available.

The WP 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. Compare the list of features with the competition. The WP Series sets a new standard for handheld instruments.

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

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

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

k=100 Sensor : 0 to 20.00 mS/cm
0 to 200.0 mS/cm

k=1000 Sensor : 0 to 200.0 uS/cm
0 to 2000 uS/cm

k=10000 Sensor : 0 to 20.00 mS/cm
0 to 200.0 mS/cm

Resolution : 0.05% of range

Accuracy : +/-0.5% of full scale of selected range at

Enclosure

Tough, anti-static Luran-S plastic case, waterproof to IP67. Connectors waterproof to IP65.

Display

32 Character alphanumeric LCD with user-friendly menu system and full-text messages.

Memory

2400 readings, including date and time.

Automatic Logging

User-set for one reading every 1 to 90 seconds, 1 to 90 minutes or 1 to 24 hours.

of selected range at
25°C

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 at 25°C

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 60 °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

RS232 Serial Port Output

300, 1200 and 9600 Baud.
8 Bits, No Parity, 1 Stop Bit, XON/XOFF

Clock

24 Hour Calendar Clock

Battery Saver Function

- On : Automatically switches off after 5 minutes of no use.
- Off : Unit remains on for continuous use.

Good Laboratory Practices

Date, time and results of last successful calibration are stored, and can be recalled when required. GLP information can be printed or downloaded to PC with the RS232 serial port interface. Warning of failed calibration is provided.

Power

6V NiMH Rechargeable battery pack for approx 75 hours operation. Battery charger for country of choice supplied. Battery can be charged from any 12V DC source.

Dimensions

187 x 110 x 51 mm

Mass

- Instrument only : Approx 440g
- Full Kit : Approx 2.5kg

Environment

- Temperature : 0 to 45 °C
- Humidity : 0 to 95% R.H.

Ordering Information

	Part No
WP84 Cond/TDS/ATC/Temp 1m.....	122159/1
WP84 Cond/TDS/ATC/Temp 3m.....	122159/3
WP84 Cond/TDS/ATC/Temp 5m.....	122159/5

1, 3 & 5 metre Options Include

	Part No
Options and Accessories	
Cable Extension: Extra cable, per metre.....	130040

1 metre bundle 122159/1:

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
 Battery Charger.....130037
 Manual.....130050

3 metre bundle 122159/3:

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
 Battery Charger.....130037
 Manual.....130050

5 metre bundle 122159/5:

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
 Battery Charger.....130037
 Manual.....130050

Computer Interface:

Serial cable for computer.....130041
 Serial to USB adaptor cable....130087
WinTPS Software for Windows....130086

Power options:

12V Solar Panel.....130012
 12V Car Cigarette lighter lead.130046
 12V Clip lead, separate battery.130052

Carry case:

Aluminium Carry Case.....130059

Same Price Interchange Option:

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

1 metre Plastic (for 1 metre bundle 122159/1)

k=10 Cond/ATC/Temp 1m, plastic.122221
 k=0.1 Cond/ATC/Temp 1m, plastic.122235

3 metre Plastic (for 3 metre bundle 122159/3)

k=10 Cond/ATC/Temp 3m, plastic.122237
 k=0.1 Cond/ATC/Temp 3m, plastic.122238

5 metre Plastic (for 5 metre bundle 122159/5)

k=10 Cond/ATC/Temp 5m, plastic.122219
 k=0.1 Cond/ATC/Temp 5m, plastic.122199

1 metre Glass (for 1 metre bundle 122159/1)

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 WP Series Brochure \(832KB PDF\).](#)

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

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A.B.N. 30 009 773 371
Last modified: April 21, 2010

