

pH Cube

7.00 P

Bright LED Display



Tough Steel Enclosure



Traditional Controls



Large LED Display

The bright LED display has 12.7 mm digits. With a front panel angle of 60 degrees, the display can be read from several metres in most light conditions.

Tough Enclosure

The pH Cube enclosure is 1.0 mm powder-coated steel. It will withstand the roughest treatment in any laboratory, and the epoxy

based powder coating is resistant to most chemicals.

Traditional Controls

Many users prefer to use instruments with traditional manual controls, rather than push buttons. This style of meter does not perform any hidden calculations, and it can be calibrated in any pH buffers.

Compact Design

The footprint of the pH Cube is particularly noteworthy. At just 123 x 123 x 123 mm, it is one of the most compact benchtop units available. There is room for a pH Cube on every lab bench!

Australian Designed



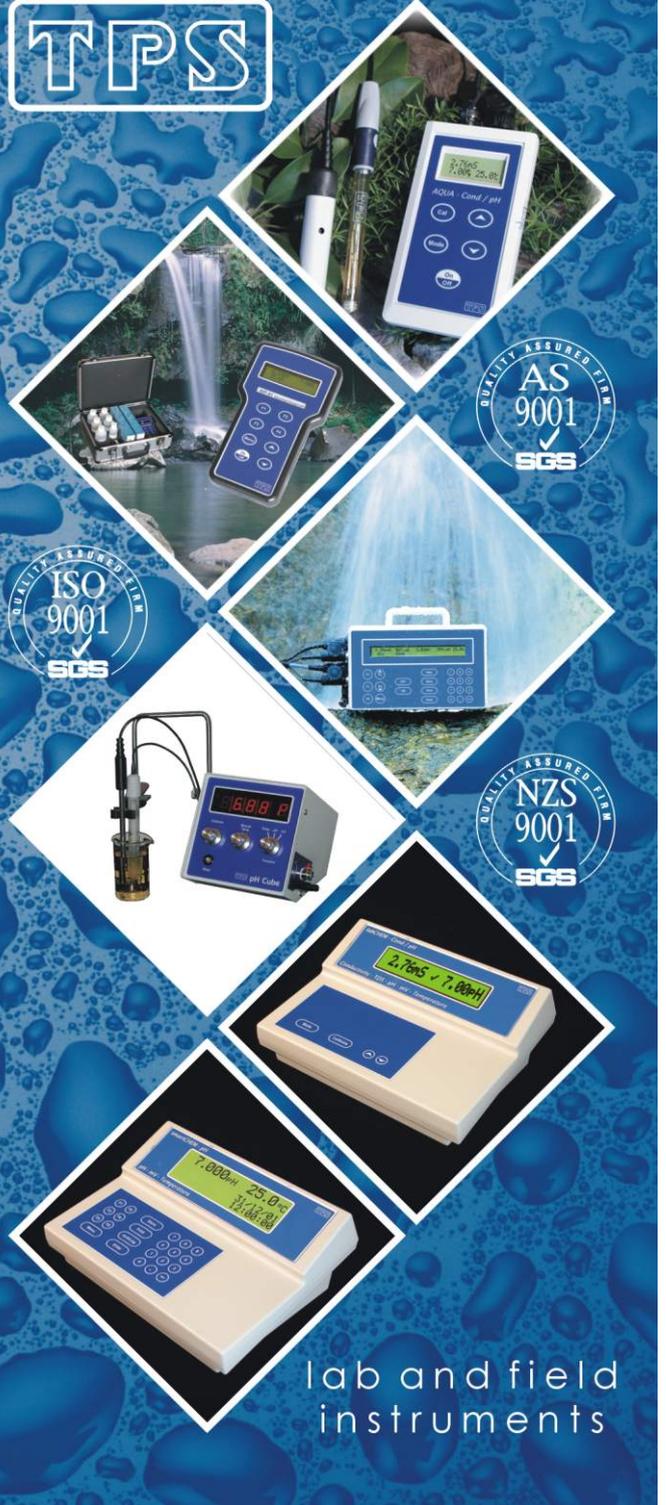
Australian Made



Australian Owned

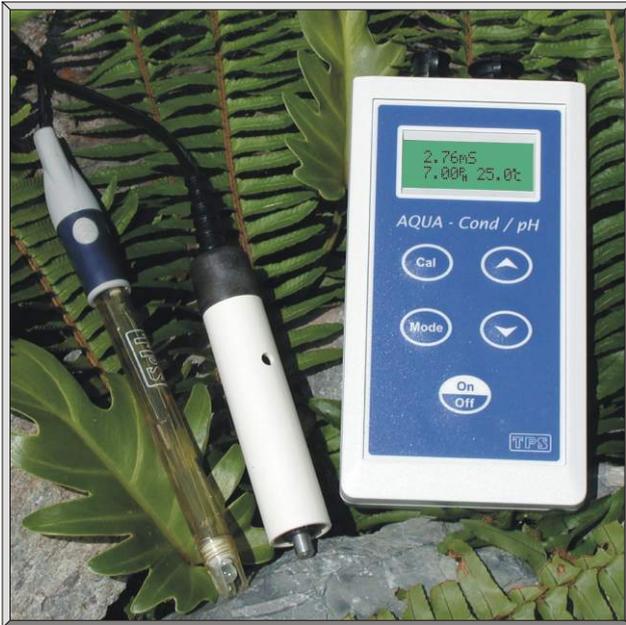
Your local TPS distributor is...

TPS



lab and field instruments

Aqua Series Waterproof Portables



Rugged and Waterproof

The Aqua Series enclosure is waterproof to IP65, and will float if dropped into water. A sturdy aluminium carry case is available for field use. The case holds the meter, sensors and bottles of standard solution.

TPS uses the latest microprocessor electronics to totally eliminate moving parts in the Aqua Series. There are no internal or external adjustments, resulting in excellent long term reliability.

User Friendly

The 24 character alphanumeric display provides simultaneous readout of all parameters. To simplify operation of the Aqua Series, plain English prompts and error messages are provided. There are no obscure codes to interpret like some other brands.

One-Touch Calibration

Calibration of the Aqua Series could not be simpler. Just place the relevant sensor into the standard solution supplied and press the Calibrate key. That's all there is to it!

Sensor condition is displayed after calibration has been completed, allowing for preventative maintenance. This information can be recalled on the display at any time.

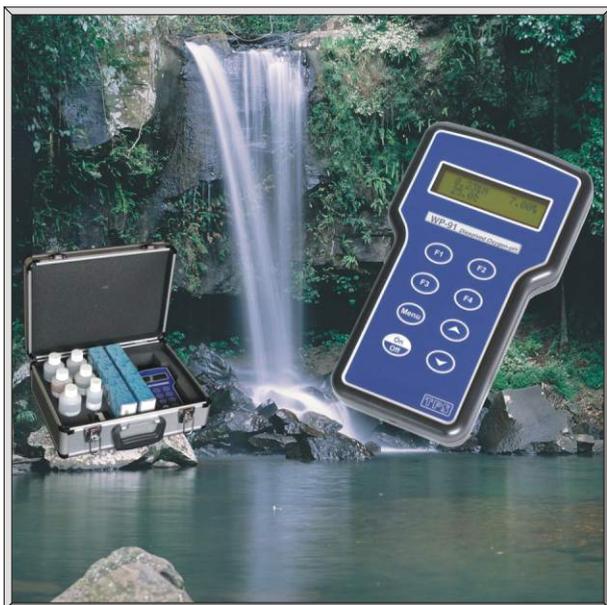
All calibration information is stored in memory when the Aqua Series is switched off, even if the battery is removed.

Battery Saver Function

The Aqua Series are supplied with a 9V Alkaline battery, which provides up to 100 hours of continuous use, depending on model. A handy battery-saver function switches the meter off after 5 minutes if no keys have been pressed. This function can also be disabled.

Model	pH	mV	Conductivity	TDS	Dissolved Oxygen	Temperature	Notes
Aqua-pH	●	●				●	
Aqua-CP	●		●	●		●	Single Conductivity & TDS ranges
Aqua-CP/A	●		●	●		●	Auto-ranging Conductivity & TDS
Aqua-DO ₂					●	●	Uses TPS ED1 Dissolved Oxygen sensor
Aqua-DO ₂ /Y					●	●	Uses YSI Dissolved Oxygen sensor
Aqua-DP	●				●	●	Uses TPS ED1 Dissolved Oxygen sensor
Aqua-C			●	●		●	
Aqua-TP	●	●		●		●	Features pH, ORP, TDS plus Salinity for pools

WP Series Premier Waterproof Portables



Rugged and Waterproof

The WP Series enclosure is waterproof to IP67 (IP65 connectors), and will float if dropped into water. A sturdy carry case is available for field use.

User Friendly

The 32 character alphanumeric display features a user-friendly menu system. Full text prompting and error messages are provided.

Calendar Clock

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.

Good Laboratory Practices (GLP)

To comply with GLP guidelines, the date, time and results of the last calibration are stored in memory, along with the instrument's serial number. Warning of failed calibration is provided.

Notepad Function

The WP Series has a 150 reading Notepad (100 for WP-89). At the touch of a button, readings can be recorded into memory, along with the date and time.

Automatic Datalogging

Program the WP Series to automatically log readings into memory. Simply set the logging interval, start logging and walk away.

Optional RS232 Interface

Expand the capabilities of the WP Series with the optional RS232 interface. All readings stored in memory can be downloaded to an RS232 printer or a PC. Communication software for Windows 3.1 or 95, 98 & ME is available.

Multiple Power Options

The WP Series are supplied with a rechargeable NiMH battery and re-charger as standard. A solar panel, battery clip lead or car cigarette lighter adaptor are also available.

Model	pH	mV	Specific Ions	Conductivity	TDS	Dissolved Oxygen	Turbidity	Temperature	Notes
WP-80	●	●						●	
WP-80D	●	●						●	Dual pH/mV channels
WP-81	●	●		●	●			●	
WP-82						●		●	Uses TPS ED1 DO ₂ sensor
WP-82Y						●		●	Uses YSI DO ₂ sensor
WP-84				●	●			●	
WP-87								●	Measures 1 to 4 channels
WP-87T								●	2 channel Thermocouple
WP-89							●		In situ measurements
WP-90	●	●	●					●	Programmable Ion meter
WP-91	●	●				●		●	Uses YSI DO ₂ sensor

90 Series Waterproof Field Loggers



Rugged and Waterproof

The 90 series is designed for rugged field applications in wet environments. The case, keypad and connectors are rated to IP65. A sturdy, waterproof carry case is available for field use.

User-friendly

All measurements are shown simultaneously on the 80 character display. There is no need to change modes to check any of your vital data.

The user-friendly menu system guides the operator through all operations such as calibration, setup etc. Full text help and error messages are provided along the way.

Calendar Clock

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

Good Laboratory Practices (GLP)

To comply with GLP guidelines, the date, time and results of the last calibration are stored in memory, along with the instrument's serial number. Warning of failed calibration is provided.

Notepad Function

A standard feature of the 90 series is the Notepad function. Up to 2720 readings (depending on model) can be recorded for later review. For added functionality, the user is able to enter up to two additional items to be tagged on to the reading. Many operators use this function as a site identifier, depth or readings from other instruments.

Automatic Datalogging

Automatic datalogging adds the capability to automatically record up to 2720 sets of readings (depending on model) at user-set intervals. This is equivalent to a reading every half hour, continuously for 30 days. The unit remains dormant between readings and only wakes up for 2 minutes whenever a reading is due. Battery life is considerably improved with this facility.

RS232 Port

All recorded data can be downloaded directly to a Printer or Computer with the RS232 port. With the optional **WinTPS** communication software, many instrument functions can be controlled from the computer. This makes the units ideal for remote monitoring.

Multiple Power Options

The 90 Series are supplied with a rechargeable NiCad battery and re-charger as standard. A solar panel, battery clip lead or car adaptor are also available.

Model	pH	mV	Conductivity	TDS	Dissolved Oxygen	Turbidity	Temperature	Notes
90-P	●	●					●	Dual pH/mV channels
90-C			●	●			●	
90-D					●		●	
90-FL	●		●	●	●		●	
90-FLMV	●	●	●	●	●		●	Dual pH/mV channels
90-FLT	●		●	●	●	●	●	Full water quality lab for the field

labCHEM Series Benchtop Instruments



Waterproof

At TPS we know that working in wet areas is sometimes unavoidable. The labCHEM Series is therefore designed for the harshest of operating conditions. The smartCHEM enclosure and connectors are waterproof to IP65. Chemically resistant, plastic connectors with gold plated contacts are used where possible.

User Friendly

The 16 character alphanumeric provides readout of 1 or 2 parameters simultaneously. To simplify operation of the labCHEM Series, plain English prompts and error messages are provided. There are no obscure codes to interpret like some other brands.

The display has huge 14.5 mm characters, which can be clearly read from up to 5 metres away. Try it yourself by placing this brochure on a wall and viewing the illustration below from a distance.

One-Touch Calibration

Calibration of the labCHEM Series could not be simpler. Just place the relevant sensor into the standard solution supplied and press the Calibrate key. That's all there is to it!

Sensor condition is displayed after calibration has been completed, allowing for preventative maintenance. This information can be recalled on the display at any time.

All calibration information is retained in memory when the labCHEM Series is switched off.

Automatic Stability Function (ASF)

When ASF is active, the labCHEM Series measures the drift rate for all readings. A "✖" on the display indicates the readings are unstable. The readings are frozen and a "✓" is displayed when all readings are stable. Ideal for Q.C. labs.

RS232 Interface

Expand the capabilities of the labCHEM Series with the optional RS232 interface. All readings can be downloaded to an RS232 printer or PC as a permanent record. Communication software for Windows 3.1 or 95, 98 & ME is available.



Actual size of labCHEM display.

Model	pH	mV	Conductivity	TDS	Temperature	Notes
labCHEM-P	●	●			●	
labCHEM-C			●	●	●	
labCHEM-CP	●	●	●	●	●	Simultaneous readout of Conductivity/TDS and pH/mV



smartCHEM Series Premier Benchtop Instruments



Waterproof



User Friendly

12:00

Calendar Clock



GLP



Notepad Function



Automatic Logging



RS232 Port



Waterproof

At TPS we know that working in wet areas is sometimes unavoidable. The smartCHEM Series is therefore designed for the harshest of operating conditions. The smartCHEM enclosure and connectors are waterproof to IP65. Chemically resistant, plastic connectors with gold plated contacts are used where possible.

User Friendly

The backlit 240 x 64 dot graphic display features a user-friendly menu system. Full text prompting and error messages are provided. The display's graphic capabilities allow for up to 12 mm digit size, depending on model.

Calendar Clock

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

Good Laboratory Practices (GLP)

Date, time and results of the last calibration are stored in memory, along with the unit's serial number. This data can be displayed or sent to the RS232 port. All stored readings are stamped with the date and time. Warning of failed calibration is provided. "Calibration Due" alarm can be set for Daily, Weekly, 2-Weekly or 4-Weekly. P.I.N. code prevents calibration or settings being altered by unauthorised users.

Notepad Function

A standard feature of the smartCHEM series is the Notepad function. Up to 2700 readings (depending on model) can be recorded at the touch of a button for later review.

Automatic Datalogging

Program the smartCHEM to automatically log readings into memory. Simply set the logging interval, start logging and walk away.

Automatic Stability Function (ASF)

When ASF is active, the smartCHEM Series measures the drift rate for all readings. A "☒" on the display indicates the readings are unstable. The readings are frozen and a "☑" is displayed when all readings are stable.

RS232 Serial Interface

The RS232 port is now standard equipment (cable sold separately). All stored readings can be downloaded to an RS232 printer or PC. The RS232 port also allows the smartCHEM Series to log directly to the printer or PC.

WinTPS Communication software for Windows 95 and later is available.

Model	pH	mV	Specific Ions	Conductivity	TDS	Resistivity	Dissolved Oxygen	Temperature	Notes
smartCHEM-P	●	●						●	
smartCHEM-CP	●	●		●	●			●	
smartCHEM-I	●	●	●					●	Programmable for any ISE
smartCHEM-I3	●	●	●					●	3 channel Specific Ion/pH/mV
smartCHEM-C				●	●	●		●	
smartCHEM-D				●	●		●	●	
smartCHEM-Lab	●	●	●	●	●	●	●	●	Complete water quality lab