



Quality. Service. Value.

[Add this page to the Navigation view to display hyperlinks here]

[Add this page to the navigation structure to display a page banner here]



请使用翻译作用于这页底部以翻译页对汉语。

TPS Australia - Quality instruments since 1968.

labCHEM-pH Benchtop pH - mV - Temperature Meter



[Full size image](#)

- ◆ **Simultaneous readout of pH or mV Temperature**
- ◆ **14.5mm high 16 character alphanumeric LCD**
- ◆ **Waterproof Design**
- ◆ **Easy to use**
- ◆ **Automatic Stability Function**
- ◆ **One-touch calibration**
- ◆ **Optional RS232 Serial Port**
- ◆ **Optional Recorder Output**
- ◆ **Australian Made**

At last - a pH meter that has all the features required for precision laboratory work, but which is easy enough for anybody to use.

The 16 character alphanumeric display has huge 14.5mm digits. It features simultaneous readout of pH/mV and

Expand the capabilities of the **labCHEM-pH** with the optional RS232 interface. All readings obtained with the **labCHEM-pH** can be stored permanently on disk. The **WinTPS** software package is also available, allowing the **labCHEM-CP** to communicate with a PC running Windows 95, 98, ME, 2000 & XP.

simultaneous readout of pH/mV and temperature and user-friendly full-text messages.

The new Automatic Stability Function (ASF) makes taking readings absolutely simple. When all the readings have fully stabilised, the ASF system will freeze the display and show a tick. The reading can then be recorded as required. The user can also disable the ASF system.

The **labCHEM-pH** is ideal for Quality Control laboratories, plant operators, educational use and many other purposes. It has been designed primarily for ease of use. Operators with little or no laboratory experience can operate the **labCHEM-pH** with complete confidence quickly and easily.

The **labCHEM-pH** is fully waterproof to IP65, so it is suitable for even the harshest laboratory or factory environments. It has just four keys to make operation of the **labCHEM-pH** absolutely simple.

Calibration of the **labCHEM-pH** is fully automatic at the press of just one key. The meter automatically recognises buffers and calibrates itself accordingly. The electrode asymmetry and slope are displayed at calibration, allowing for preventative maintenance and instant troubleshooting.

WINDOWS 7, 8, ME, 2000 & XP.

An analogue recorder output is another option. This provides an interface with pen type recorders or dataloggers with analogue input.

A polarisation output makes it possible to use the **labCHEM-pH** for moisture measurements using the Karl Fischer titration method.

The **labCHEM-pH** operates from an AC/DC power adaptor. Adaptors are available for all countries.

The **labCHEM-pH** 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

pH

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

mV

Range : 0 to +/-600.0 and
0 to +/-1500 mV
(auto-ranging)

Enclosure

Tough, high impact ABS. Waterproof case and connectors.

Display

14.5mm high, 16 character alphanumeric LCD with full-text messages.

RS232 Serial Port Output (Optional)

Resolution : 0.1 & 1 mV
Accuracy : +/-0.15 & +/-1 mV

Temperature

Range : -10.0 to 120.0 °C
Resolution : 0.1 °C
Accuracy : +/-0.2 °C

Input Impedance

>3 x 10¹² Ohms

Asymmetry Range

-1.00 to +1.00 pH

Slope Range

85.0 to 105.0%

Temperature Compensation

0 to 100 °C, automatic or manual. The labCHEM-PH automatically detects whether or not the temperature sensor is connected.

Automatic Buffer Recognition

4.01, 6.86, 7.00, 9.18 and 10.01 pH

RS232 Serial Port Output (Optional)

1200, 9600, 19200 or 38400 Baud.
8 Bits, No Parity, 1 Stop Bit, XON/XOFF

Recorder Output (Optional)

0 to 2000mV Output for...
0.00 to 14.00 pH
-1500 to 1500 mV
-10.0 to 120.0 °C
Output impedance approx 1000 Ohms

Power

12V AC/DC Power Adaptor.

Dimensions

240 x 180 x 105 mm

Mass

Instrument only : Approx 1.0kg
Full Kit : Approx 2.5kg

Environment

Temperature : 0 to 45 °C
Humidity : 0 to 90% R.H.

Ordering Information

	Part No
labCHEM-pH pH/mV-Temp.....	121104

Kit Includes

pH Sensor, 1m Surface only....	121207
Temperature/ATC Sensor.....	121248
pH7.00 Buffer, 200mL.....	121387
pH4.01 Buffer, 200mL.....	121381
AC/DC Power Adaptor.....	130037
Manual.....	130050

Optional Sensors

pH Sensor Upgrade for difficult samples such as meat,dairy,slurries...
pH, Intermediate Junc, 1m.....121200/1

ORP Sensors:

ORP, Surface only, 1m.....	121262
ORP, Intermediate Junc, 1m....	121269
ORP Calibration Solution.....	121309

Please click the following links for further details on the TPS range of sensors...

[pH Sensors](#)

[Redox \(ORP\) Sensors](#)

	Part No
Options and Accessories	

Computer Interface:

RS232 Serial Port & cable.....	130039
Serial to USB adaptor cable.....	130087
WinTPS Software for Windows.....	130086

Computer Interface:

Recorder Output & cable.....	130028
RS232 + Recorder Output & cable.	130049

Sensor Holder:

Flexible Sensor Holder.....	130088
-----------------------------	--------

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

 [Download the full colour labCHEM Series Brochure \(1.32 MB PDF\).](#)

 [Download the manual 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 2.0

Copyright © 2002 T.P.S. Pty Ltd

[Add this page to the Navigation view to display hyperlinks here]

Web Author : TPS Pty Ltd
Copyright © 2002-2010 T.P.S. Pty Ltd
A.B.N. 30 009 773 371
Last modified: August 03, 2010