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miniCHEM-Cond



请使用翻译作用于本页底部以翻译页对汉语。

TPS Australia - Quality hand-made instruments since 1968.

miniCHEM-Conductivity Process Monitor and Controller



(miniCHEM-pH shown)

[Full Size Image](#)

- ◆ *Waterproof Enclosure*
- ◆ *Easy to Install*
- ◆ *Easy to Use*
- ◆ *4-20mA and 0-1 DC Outputs*
- ◆ *Optional Relay Output*
- ◆ *Australian Made*

3 steps to automatic control...

1. Calibrate
2. Set the control limit
3. Switch to Auto



Alarm LED
The Alarm LED provides visual indication of when the control limit is exceeded. The control limit can be set for a 'too high' or a 'too low' alarm.

Large Display
The 12.5mm LCD display is easy to read, even from a distance. Switch to **SET LIMIT** to display and set the control limit.

Outputs
4-20mA and 0-1V outputs can be user-selected and are supplied as standard. 0-10V output is available as a factory fitted option.

Manual mode
To manually add a dose of chemical, even when the reading is within the control limit, switch to **MANUAL**. This acts as an on-off switch for the output relay.

Relay Output
The optional relay output is rated to 2 amps at 240 V AC. The limit can be set for 'too high' or 'too low' control. Adjustable hysteresis increases control flexibility. The fuse is accessible via the terminal cover.

The all-new **miniCHEM** series are the perfect solution for many process monitoring applications.

All **miniCHEM** units are easy to install. The enclosure is waterproof to IP65, so a separate cabinet is not required. All controls can be accessed via the hinged, clear cover. The large LCD display is easy to read, even from a distance.

The **miniCHEM** series is designed for maximum flexibility. Current and voltage outputs are provided as standard. A relay output is optionally available. The front panel alarm lamp provides clear visual indication when

The **miniCHEM** series is the best value for money range of process monitors available today. They are ideal for industry, swimming pools, reverse osmosis, aquaculture, and general process monitoring and control.

For a total solution to your control requirements, TPS also offers a peristaltic pump, the [easyFLOW-VS](#).

The **miniCHEM** series is proudly designed and manufactured in Australia. The TPS Quality System has been certified in accordance with AS/NZS ISO9001 standards. You can always be assured of the best quality, service and value for money

provides clear visual indication when the control limit has been exceeded.

memory.

Specifications

Ranges

k=0.1 Sensor....0 to 19.99 uS/cm
 0 to 199.9 uS/cm
 0 to 1999 uS/cm
 k=1.0 Sensor....0 to 199.9 uS/cm
 0 to 1999 uS/cm
 0 to 19.99 mS/cm
 k=10 Sensor.....0 to 1999 uS/cm
 0 to 19.99 mS/cm
 0 to 199.9 mS/cm

Resolution

0.1% of full scale

Accuracy

+/-0.2% of full scale

Linearity

+/-0.05% of full scale

Repeatability

+/-0.05% of full scale

Ambient Drift

<0.02%/°C

Long Term Drift

<0.1% per year

Temperature Compensation

Automatic, 0 to 100°C

Zero Range

+/-5%

Span Range

70 to 130%

Sensors

Platinised Platinum,
 k=0.1, k=1.0 or k=10

Enclosure

Polycarbonate, waterproof to IP65

Display

12.5mm LCD

Outputs

4 to 20 mA (500 Ohms max load)
 0 to 1 V DC (0 to 10 V DC optional)

Isolation

Galvanic isolation of sensor input

Current and voltage outputs are not isolated

Power

220/240 V AC, 50/60Hz

12V DC power optional.

Dimensions

172 x 160 x 71mm

Mass

Instrument only : Approx 800g
 Full Kit : Approx 1.5kg

Instrument Operating Environment

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

Ordering Information

Part No

5 metre bundle 112140/5:

miniCHEM-Conductivity, 5m.....112140/5

5 metre Option Includes:

k=1 Cond-ATC sensor 5m, plastic.....112206
Conductivity standard to suit customer-specified range
Manual.....130050

Options and Accessories

Cable Extension:

Extended cable/metre.....130040

Instrument Options:

Relay control output.....130342
12V DC Power option.....130072
Sensor flow chamber: 1/2" BSP in/out ports.....111303

Same Price Interchange Option:

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

k=10 Cond-ATC sensor 5m, plastic.....112207
k=0.1 Cond-ATC sensor 5m, plastic.....112205



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



[Download the full colour miniCHEM Series Brochure \(1.67 MB PDF\).](#)



[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 2.0

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Aqua-C

WP-84

90-C

labCHEM-C

smartCHEM-C

microCHEM-Cond

miniCHEM-Cond

proCHEM-C

[microCHEM-Salinity](#)

[miniCHEM-Salinity](#)

[proCHEM-S](#)

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