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miniCHEM-Temp



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.

miniCHEM-Temperature Process Monitor and Controller



(microCHEM-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 control limit has been exceeded.

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.

Specifications

Range

0 to 199.9 °C
(sensor limit 120 °C)

Resolution

0.1 °C

Accuracy

+/-0.1 °C

Linearity

+/-0.1 °C

Repeatability

+/-0.1 °C

Ambient Drift

<0.02 %/°C

Long Term Drift

<0.1% per year

Calibrate Range

+/-10 °C

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
(110/120 V AC available)

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 114140/5:

microCHEM-Temperature 5m.....114140/5

Kit Includes:

Temperature Sensor, 5m cable.....114200

Manual.....130050

Options and Accessories

Cable Extension:

Extended cable/metre.....130040

Instrument Options:

Relay control output.....130342
12V DC Power option.....130072

Same Price Interchange Option:

Screw-in Temperature Sensor (1/4" BSP thread):

Screw-in Temp Sensor, 5m cable.....114201
Screw-in adaptor for 40mm/50mm PVC pipe.....111305



[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.



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MC-87

WP-87

WP-87T

microCHEM-Temp

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