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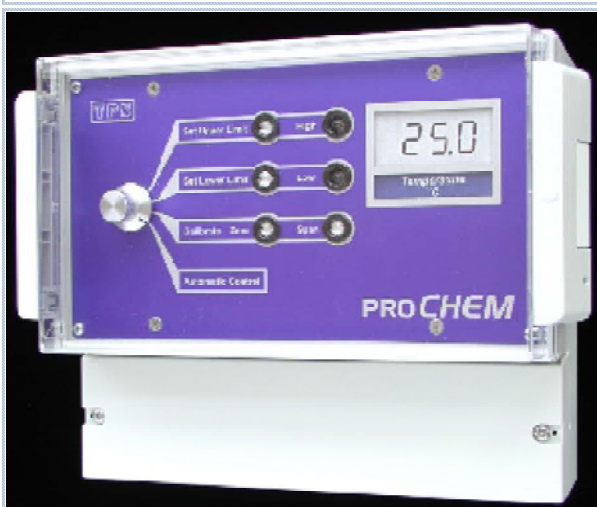
## proCHEM-T



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.

### proCHEM-T Temperature Controller with Dual Set Points



[Full Size Picture](#)

- ◆ *Enclosure Waterproof to IP65*
- ◆ *Dual Set Point Control Relays*
- ◆ *Easy to Install*
- ◆ *Easy to Use*
- ◆ *4-20mA and 0-1 V DC Outputs*
- ◆ *Australian Made*

The **NEW proCHEM** Series controllers provide an economical answer to most process monitoring, control or recording requirements.

Dual Set Points are provided. The default setup for these are as "Too High" and "Too Low" control points. The user can also re-set them so that they are both "Too High" or both "Too

All **proCHEM** units are easy to install. They are housed in a rugged plastic case which is non corrosive, waterproof and dustproof to IP65. All controls can be accessed via the hinged, clear cover. The large LCD display is easy to read, even from a distance.

The **proCHEM** series is designed for maximum flexibility. 4 to 20 mA and

## proCHEM-T

they are both "High" or both "Low" control points. An example of this type of setup is where the **proCHEM** unit has one point set to control the process, and a second point beyond that set to activate an alarm.

Separate LED's indicate when either of the Set Points has been exceeded. The output relays are rated to 240V and are fused at 2 Amps. Higher currents can be switched with an external contactor.

maximum flexibility. 4 to 20 mA and 0 to 1 V DC outputs are provided as standard.

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

The **proCHEM** series is proudly designed and manufactured in Australia. The TPS Quality System has been certified in accordance with AS/NZS ISO9001 standards. Since 1968, TPS has built a reputation for excellent backup service that is second to none.

## 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

Current : 4 to 20 mA  
Voltage : 0 to 1 V DC  
Contacts : Two relays with changeover contacts.  
Rated to 240V, 1 Amp

### Isolation

Galvanic isolation of sensor input

Current and voltage outputs are not isolated

### Power

220/240 V AC, 50/60Hz, 2VA

12V DC power optional.

### Dimensions

215 x 190 x 115 mm

### Mass

Instrument only : Approx 900g  
Full Kit : Approx 1.5kg

### Instrument Operating Environment

proCHEM-T

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

## Ordering Information

**Part No**

**5 metre bundle 114122/5:**

proCHEM-Temperature 5m.....114122/5

**Kit Includes:**

Temperature Sensor, 5m cable.....114200  
Manual.....130050

**Options and Accessories**

**Cable Extension:**

Extended cable/metre.....130040

**Instrument Options:**

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 proCHEM Series Brochure \(433 KB PDF\).](#)



[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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proCHEM-T

MC-87

WP-87

WP-87T

microCHEM-Temp

miniCHEM-Temp

proCHEM-T

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