


[TPS Home](#)
[Contact Us](#)
[Products](#)
[Distributors](#)
[Brochures](#)
[Prices](#)

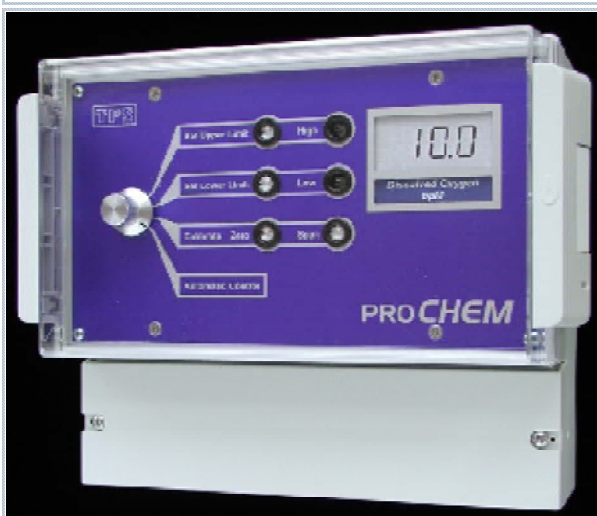
proCHEM-D



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-D Dissolved Oxygen 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-D

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.

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

Ranges

0 to 199.9 % Saturation

OR

0 to 19.99 ppM (mg/L)
(Factory-set)

Resolution

0.1 % Saturation

OR

0.01 ppM (mg/L)

Accuracy

+/-0.2% of full scale

Linearity

+/-0.1%

Repeatability

+/-0.2%

Ambient Drift

<0.05% span/°C

Long Term Drift

<0.2% per year

Temperature Compensation

Dual automatic temperature compensation system, (sensor limit 45 °C).

Zero Range

+/-10%

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

Temperature : 0 to 45 °C

proCHEM-D

Humidity : 0 to 95% R.H.

Span Range

70 to 130%

Sensor

YSI5739 Polarographic sensor with inbuilt ATC sensor.

Ordering Information

Part No

5 metre bundle 113122/5:

proCHEM-DO2 5m.....113122/5

Kit Includes:

DO2 Sensor YSI5739 (no cable).....123204
5m cable for Sensor (YSI5739).....123210
Membrane & filling solution kit.....123300
Manual.....130050

Options and Accessories

Dissolved Oxygen Sensor Maintenance:

Membrane & filling solution kit.....123300
Filling Solution only, 45mL.....123303
Zero calibration Sodium Sulphite.....123302
Rejuvenation kit.....123037
Diaphragm replacement kit.....123304
(123304 for YSI5739 Field Sensor Only)

Cable Extension

Extended cable/metre.....130040

Instrument Options

12V DC Power option.....130072



[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 from the following link:

proCHEM-D

be downloaded by clicking on the following link.



TPS reserves the right to change any part of this specification without notice.
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Aqua-DO2

Aqua-DY

WP-82

WP-82Y

90-D

smartCHEM-DO2

microCHEM-DO2

miniCHEM-DO2

proCHEM-D

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