



Quality. Service. Value.

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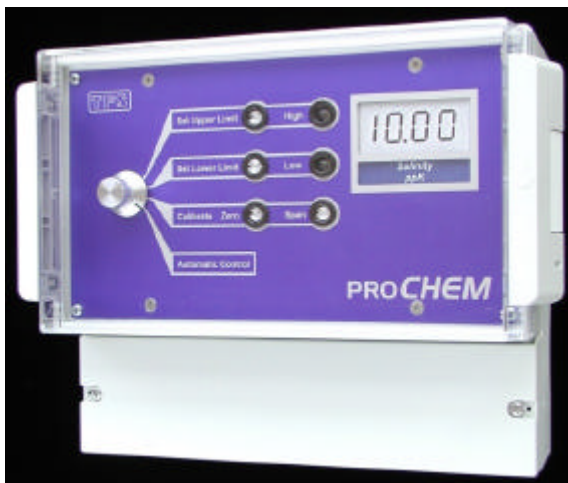
proCHEM-S



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-S Salinity/TDS Controller with Dual Set Points



- ◆ *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*

[Full Size Picture](#)

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 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 **proCHEM** series is designed for maximum flexibility. 4 to 20 mA and 0 to 1 V DC outputs are provided as standard.

For even greater output flexibility, ask about the **420 ToolBox**. This module provides such features as reversing the current or voltage signal, and optional extra control relay, RS232 interface or pulsed output.

For a total solution to your control requirements, TPS also offers a range of [Peristaltic Pumps](#).

The **proCHEM** series is proudly designed

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.

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.

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

k=0.1 Sensor....0 to 10.00 ppM
 0 to 100.0 ppM
 0 to 1000 ppM
 k=1.0 Sensor....0 to 100.0 ppM
 0 to 1000 ppM
 0 to 10.00 ppK
 k=10 Sensor.....0 to 1000 ppM
 0 to 10.00 ppK
 0 to 100.0 ppK

Resolution

0.1% of full scale

Accuracy

+/-0.2% of full scale at 25 °C

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

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
 Humidity : 0 to 95% R.H.

Ordering Information

	Part No		Part No
proCHEM-S Controller.....	112127	Options	
		Extended cable.....	130040
		(order by the metre)	
Kit Includes		12V DC Power option.....	130072
proCHEM-S Handbook.....	130050	Remote, 2-wire 4-20mA Loop..	130080
Salinity or TDS standard to suit		Powered LCD Display	
customer-specified range.			
Conductivity sensors:			
k=0.1 Sensor, 5m.....	112205		
k=1.0 Sensor, 5m.....	112206		
k=10 Sensor, 5m.....	112207		



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



[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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Aqua-C

WP-84

90-C

labCHEM-C

smartCHEM-C

microCHEM-Cond

miniCHEM-Cond

proCHEM-C

microCHEM-Salinity

miniCHEM-Salinity

proCHEM-S

Send mail to tps@tps.com.au with questions or comments about this web site.

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