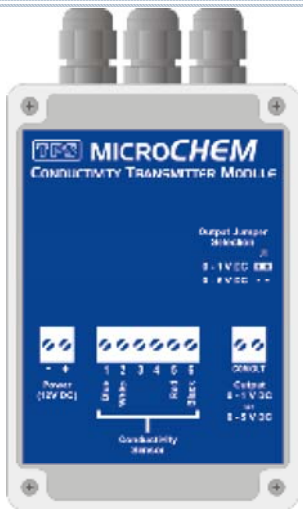
TPS Quality. Service. Value.

microCHEM-Cond

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.

microCHEM Conductivity Transmitter



Full Size Image

- ***Waterproof Enclosure***
- ***Requires 12V DC power***
- ***Low power consumption - less than 10 mA***
- ***Easy to Install***
- ***Easy to Use***
- ***User-selectable for 0 to 1 V DC or 0 to 5 V DC Outputs***
- ***Australian Made***

The all-new **micro*CHEM*** series are a simple, no fuss solution for many water quality monitoring applications. With industry-

The **micro*CHEM*** series is an excellent solution for Original Equipment Manufactures (OEM's) who wish to incorporate water quality monitoring into

standard 0 to 1 V DC and 0 to 5 V DC outputs, they are designed specifically to interface with commercial dataloggers and PLC units.

All **micro*CHEM*** units are easy to install. The enclosure is waterproof to IP65, so a separate cabinet is not required. Waterproof cable glands are provided for the input and output cables.

The **micro*CHEM*** series is the best value range of water quality transmitter available today. They are ideal for environmental monitoring, cooling tower control, and any industrial site utilising centralised control systems.

their own designs. Over 30 years experience in this industry ensures that the **micro*CHEM*** series provide accuracy and reliability without the OEM needing to spend any time or money on R & D.

The **micro*CHEM*** 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

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
```

Ranges selectable by jumper setting.

Resolution

0.1% of full scale

Accuracy

+/-0.2% of full scale

Span Range

70 to 130%

Sensors

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

Enclosure

Polycarbonate, waterproof to IP65

Outputs

0 to 1 V DC
0 to 5 V DC
(selectable by jumper setting)

Isolation

Galvanic isolation of sensor input

Power

12V DC, approx 10 mA

Linearity
+/-0.05% of full scale

Repeatability
+/-0.05% of full scale

Ambient Drift
<0.02%/^{O}C

Long Term Drift
<0.1% per year

Temperature Compensation
Automatic, 0 to 100^{O}C

Zero Range
+/-5%

Dimensions
Enclosure : 125 x 85 x 56 mm
PCB only : 115 x 77 mm
(82 x 58 mm mounting hole centres)

Mass
Instrument only : Approx 250 g
Full Kit : Approx 750 g

Instrument Operating Environment
Temperature : 5 to 45 ^{O}C
Humidity : 0 to 95% R.H.

Ordering Information

Part No

5 metre bundle 112144/5:
micro*CHEM*-Conductivity, 5m.....112144/5

5 metre Option Includes:
k=1 Cond/ATC sensor 5m, plastic.....112206
(200ml Conductivity standard to suit k=10, k=1, or k=0.1 sensor)
Manual.....130050

Options and Accessories

Cable Extension:
Extended cable/metre.....130040

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 microCHEM Series Brochure (1.59 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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smartCHEM-C | microCHEM-Cond | miniCHEM-Cond | proCHEM-C
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