

# Vario Cond Temperature Conductivity Meter

Measure temperature, conductivity, and other parameters quickly and easily.



## Description

The VARIO Cond Meters provide a powerful and robust conductivity meter in a package that will fit in your pocket. This easy to use meter is ideal for use in water and wastewater process control, environmental field monitoring or anywhere a small, accurate meter is needed. At home in harsh field conditions or in the demanding plant environment the instruments are waterproof (IP65) and have tough firm-grip rubber armoring. With the meter and a suitable sensor module you are able to measure the conductivity, specific resistance, salinity or TDS (total dissolved solids) of a solution very easily.

### High precision

Increased precision through the omission of cable connectors – the VARIO Cond is an appropriate solution for servicing and maintaining water treatment equipment. WTW's popular and capable TetraCon® 325 conductivity cell was specially shortened and modified into the TetraCon® V to be used with the VARIO Cond Meters. Using the LR01 V, an extra ultrapure water cell, and a flow vessel the meters are uniquely suited for ultrapure water analysis.

### Long-lasting power

VARIO Cond offers up to 500 hours of continuous operation with just one standard battery. The low power technology shuts down the meter after 10 minutes in standby. Changing the battery is easy and quick.

- Accurate, easy to use and full of features
- Innovative touch screen interface
- Stands up to the harsh demands of field use

## Specifications

*Measuring Ranges (Accuracy  $\pm 1$  digit):*

*Conductivity:*

$\mu S/cm$ : 0.00 to 19.99 (when using module LR01 V), 0.0 to 199.9, 0 to 1999

$mS/cm$ : 0.00 to 19.99, 0.0 to 199.9

*Resistivity:*

$k^{\circ}cm$ : 0.000 to 1.999, 0.00 to 19.99, 0.0 to 199.9, 0 to 1999

$M^{\circ}cm$ : 0.00 to 19.99, 0.0 to 199.9, 0 to 1999

*Salinity*: 0.0 to 70.0 (per IOT)

*TDS (mg/l)*: 0 to 1999

*Temp*: 41 to 221°F (5.0 to 105.0°C)

*Cell constant:*

*Calibrated*:  $k = 0.450$  to  $0.500\text{ cm}^{-1}$  (TetraCon® V)

*Adjusted*:  $k = 0.090$  to  $0.110\text{ cm}^{-1}$  (LR01 V),  $0.450$  to  $0.500\text{ cm}^{-1}$  (TetraCon® V)

*Ref temp*: Tref can be set to 20°C or 25°C

*Power*: One 1.5V AA (approx. 500 hr operation)

*Ambient conditions:*

*Storage*: 13 to 149°F (-25 to 65°C)

*Operation*: 14 to 131°F (-10 to 55°C)

*Climatic*: class 2

*Dimensions*: 5.5x3.15x1.3 in (140x80x33 mm) (without sensor module)

*Weight*: 4 oz (115 g) (without sensor module & battery)

*Ingress*: IP 65 (hose down-proof)

*Electrical*: Protective class III

*Certificates*: CE

## Options and Accessories

### Vario Cond TetraCon® V Kit

Temperature Conductivity Meter

Includes: Vario Cond, mobile case, TetraCon® V cell, and KCl solution.

### Vario Cond LR01 V Kit

Temperature Conductivity Meter

Includes: Vario Cond, mobile case, LR01 V ultrapure water cell, and flow through vessel.

Contact  
Global Water  
for all your  
instrumentation  
needs:

Water Level

Water Flow

Water Samplers

Water Quality

Weather

Remote Monitoring

Control



Global Water  
a xylem brand

In the U.S. call toll free  
at 1-800-876-1172  
International: 1-979-690-5560  
Fax: 1-979-690-0440  
Email: [globalw@globalw.com](mailto:globalw@globalw.com)

Visit our online catalog at:  
[www.globalw.com](http://www.globalw.com)  
Our Address:  
11390 Amalgam Way  
Gold River, CA 95670