



# COND 51 Bench top Meter

COND/°C



# XS Instruments COND 51

## COND/°C Bench top Meter

### Basic and Easy

A group of European experts in electrochemistry and a famous Asian producer have developed this new line of bench top meters, finding the right balance between the design and **easy to use**.

The LCD back light display **easy on to read** shows all information that you need about measurement, included icon for stability. Up to 4 point Conductivity calibration with automatic recognition. **Easy to calibrate**.

### Main Features

- Display COND and Temperature parameters simultaneously
- Resolution: automatic scale
- Selectable cell constant allows for use with 2 plate cell
- Automatic calibration 1 to 4 points between 4 conductivity standard values
- Indication stability of the measurement with icon
- Non-volatile memory holds up to 25 data points
- IP54 rated housing handles splashes
- 3 years meter replacement warranty



VPT 51/01

## Technical specification

Technical specifications	COND 51
<b>COND measuring range</b>	0... 200,0 - 2000 $\mu$ S / 2,00... 20,00 - 200,0 mS
<b>Resolution</b>	0,1 - 1 $\mu$ S / 0,01 - 0,1 mS
<b>Calibration points</b>	1...4
<b>Calibration standards ricongnized</b>	84 $\mu$ S – 1413 $\mu$ S – 12,88 mS – 111,9 mS
<b>Cell constant selectable</b>	0,1 – 1 – 10 $\text{cm}^{-1}$
<b>Temperature coefficient</b>	0,00...9,99 %/°C
<b>Reference temperature</b>	25 °C
<b>Temperature measuring range</b>	0...50,0 °C
<b>Risolution / Accuracy</b>	0,1 °C
<b>Temperature compensation</b>	Automatic / manual 0...80 °C
<b>Memory</b>	25 data
<b>Display</b>	LCD (Liquid Crystal Display) / backlight
<b>Inputs</b>	BNC and Jack phono (ATC)
<b>Power supply</b>	AC/DC adapter 9 V / 300 mA
<b>IP protection class</b>	IP 54
<b>Dimensions / weight instrument</b>	160 x 190 x 70 mm / 750 gr



How to order	
Code	Description
<b>50003002</b>	<b>COND 51 complete kit</b> include cond. Cell 2301T with ATC, cable length 1m. Cell holder, standard calibration solutions 1413 $\mu$ S and 12,88 mS and accessories.
<b>50003012</b>	<b>COND 51 without conductivity Cell.</b> standard calibration solutions 1413 $\mu$ S and 12,88 mS, cell holder and accessories
<b>50004002</b>	<b>2301T</b> standard cell with ATC, range 10 $\mu$ S...200mS, 0...60 °C
<b>50004012</b>	<b>VPT 51/01.</b> Conductivity cell C=0,1 with ATC. Range 0,1 $\mu$ S...1mS. Steel/PVC.

# The Perfect Combination



This Chinese symbol means the "The Double Happiness", the combination between two perfect elements. This is used in China as a greeting during wedding. We believe that The Perfect combination is something that going on.

A group of European experts in electrochemistry and a famous Asian producer have developed this new line of bench top meters, finding the right balance between the design, innovative ideas in pH and conductivity measurement and easy use.

**This is the First Perfect Combination.**



If you have a beautiful bench meter, but you don't combine it with a perfect pH electrode, this will be always and only a simple instrument that shows only numbers on the display and not pH measurement. Also in this case we have worked for a perfect combination. A very famous Swiss producer has developed, only for this line of instruments, a complete laboratory line of pH electrodes for every type of application.

**This is the Second Perfect Combination.**

"The calibration of pH measuring system is one of the most important factors. To ensure a high measuring accuracy one has to follow the correct calibration procedure, use new and accurate buffer solutions and wait long enough for stable indication values of the electrode assembly to be calibrated. No pH measurement can be more accurate than its calibration accuracy"

*(International of basic and General Terms in Metrology)*

If you have a good electrode, but you don't calibrate this with buffer solutions with good metrological traceability, You can't obtain reliable results. The XS buffer solutions come to celebrate the **Third Perfect Combination.**



**A Perfect Combination for new emotion.**

## XS instruments Right solution from the start.

Full line of waterproof portable and tester meters for pH, Conductivity and ORP in field measurement.



**pH Series**  
pH 7 - pH 70



**Conductivity Series**  
COND 7 - COND 70



**Multiparameter**  
Series PC 7 - PC 70



**pH-COND-PC-ORP**  
waterproof tester

DISTRIBUTED BY:



ISO 9001  
CERTIFIED



Designed

