



TM43

pH-/Conductivity-/Temperature  
meter



**TM43**

***pH-/Conductivity-/  
Temperature meter***

## ***TM43 pH-/Conductivity-/Temperature Meter***



- Simultaneous readout of pH, conductivity or TDS and temperature.
- Combined pH and conductivity probe assembly with integral ATC
- Environmentally protected case to IP67
- Easy to read with backlit liquid crystal display
- 1 or 2 point pH calibration with auto buffer recognition (manual override)
- Direct conductivity calibration on standard solutions or by direct cell constant entry
- Replaceable pH electrode

**T**he Model TM43 allows the simultaneous readout of pH, conductivity or TDS and temperature using a custom backlit liquid crystal display. The TM43 offers 1 or 2 point pH calibration and automatic buffer recognition (4.00, 7.00, 9.22 and 10.05) with a manual override facility. Conductivity calibration can be performed with direct calibration on standard solutions or by direct cell constant entry. The conductivity/TDS range is automatically selected for optimum resolution and temperature compensated using an adjustable temperature coefficient and reference temperature.

The TM43 is supplied with a combined pH and conductivity probe assembly (a temperature sensor is also incorporated to provide automatic temperature compensation). The probe connects to the instrument via a single mini-DIN connector for operator convenience.

## **Specifications**

<b>pH Range (1 or 2 point cal)</b>	0 to 14pH
<b>Resolution</b>	0.01pH
<b>Accuracy</b>	±0.02pH
<b>Conductivity Ranges</b>	5 switched ranges: 0 to 19.99µS - 0 to 199.9mS
<b>Resolution</b>	0.01µS, 0.1µS, 1µS, 0.01mS, 0.1mS
<b>Accuracy</b>	±0.5% ±2 digits
<b>TDS Ranges</b>	5 switched ranges: 0 to 19.99mg/l - 0 to 199.9g/l
<b>Resolution</b>	0.01mg/l, 0.1mg/l, 1mg/l, 0.01g/l, 0.1g/l
<b>Accuracy</b>	±0.5% ± 2 digits
<b>Temperature Ranges</b>	-9.9 to +99.9°C/14 to 212°F
<b>Resolution</b>	0.1°C / 1°F
<b>Accuracy</b>	± 0.5°C / ± 1°F
<b>ATC Range</b>	0 to 99.9°C / 32 to 212°F
<b>Manual Temp. Comp.</b>	0 to 99.9°C / 32 to 212°F
<b>Auto buffer recognition</b>	4, 7, 9.22 and 10.05 (manual override facility)
<b>Power</b>	2 AA cells
<b>Battery Life</b>	Typically 100 hours
<b>Size</b>	175(l) x 75(w) x 35(d) mm
<b>Weight</b>	250g

## **Accessories**

- 033 267** Carry Case
- 430 231** Replacement combined pH/conductivity probe
- 924 067** Replacement pH probe
- 025 139** Calibration standard 10µS
- 025 138** Calibration standard 1413µS
- 025 156** Calibration standard 12.88mS
- 025 164** Calibration standard 84µS

