

## testo 240

## Compact conductivity measuring instrument

testo 240 is a complete conductivity measuring instrument and a high standard thermometer combined in one compact, waterproof housing.

Measurement errors caused by high conductivities and deposits on the electrodes are avoided thanks to the 4 electrode engineering used. The salt level (NaCl) in an aqueous solution can be measured directly.

- User-friendly operation
- Extremely wide ranges with only one measuring cell
- Robust and splashwater-proof (IP 54)
- Easy-to-read large 2 line display
- No measurement errors caused by dirt particles in the electrodes
- Measures salt (NaCl) level
- Long cell lifetime due to the 4 electrode engineering used
- The 4 electrode engineering used here prevents the formation of physical coatings, e.g. sewage, which distort the values measured



2 line display

Plug-in connection for mS/cm and °C probes

testo 240 conductivity and temperature measuring instrument with battery and 2 electrode clips

Part no.  
**0560 2404**

Conductivity measurement cells	Illustration	Meas. range	Other	Part no.
Universal conductivity measuring cell, type 07 mS, highest accuracy up to 200 mS/cm, stainless steel	130 mm Fixed cable Ø 20 mm	+0.001 to +200 mS/cm 0 to +60 °C	4 electrode engineering with built-in temperature sensor	0650 3023
Precision conductivity measuring cell, type 10 mS, long-term stable, highest accuracy up to 300 mS/cm, graphite	130 mm Fixed cable Ø 20 mm	+0.001 to +300 mS/cm 0 to +60 °C	4 electrode engineering with built-in temperature sensor	0650 3024

  

Temperature probes	Illustration	Meas. range	Accuracy	t <sub>99</sub>	Part no.
Waterproof immersion/penetration probe	110 mm Fixed cable Ø 4 mm 30 mm Ø 3.2 mm	-50 to +150 °C 1)	±0.5% of mv (+100 to +150 °C) ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	10 s	0613 1211
Food probe (IP65) stainless steel, PUR cable can be used at up to +80°C, IP54 plug-in connection	125 mm Fixed cable Ø 3 mm 15 mm Ø 3 mm	-50 to +150 °C	±0.5% of mv (+100 to +150 °C) ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	8 s	0613 2211
Waterproof surface probe with widened measuring tip, for flat surfaces	110 mm Fixed cable Ø 6 mm Ø 6 mm	-50 to +150 °C	±0.5% of mv (+100 to +150 °C) ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	35 s	0613 1911

1) Long-term meas. range +125 °C, short-term +150 °C (2 minutes)

Sets	Part no.
Conductivity Set 1 Universal: testo 240 conductivity and temperature measuring instrument, battery, 2 electrode clips, universal conductivity measurement cell Type 07 mS, case (plastic)	0563 2405
Conductivity Set 2 Precision: testo 240 conductivity and temperature measuring instrument, battery, 2 electrode clips, precision conductivity measurement cell Type 10 mS, case (plastic)	0563 2406

Accessories	Part no.
<b>Transport and Protection</b>	
Set case (plastic) for measuring instrument, probes and accessories User-friendly arrangement of measuring instrument and accessories	0516 0230

Additional accessories and spare parts	Part no.
Conductivity standard (1413 µS/cm) 0.01 mol/l KCL, to calibrate conductivity measuring cells	0554 2334

Calibration Certificates	Part no.
ISO calibration certificate/Analysis For conductivity solutions; calibration point 1.413 mS/cm	0520 0019
ISO calibration certificate/Temperature For air/immersion probes, calibration points -18°C; 0°C; +60°C	0520 0001
ISO calibration certificate/Analysis At 3 conductivity values over the measuring range	0520 0049

Technical data			
Probe type	Conductivity measuring cell	NTC	Calc. parameter
Meas. range	0 to +2000 mS/cm	-50 to +150 °C	+1 to +200000 mg/l NaCl
Accuracy ±1 digit	±1% of mv (0 to +2000 mS/cm)	±0.5% of mv (+100 to +150 °C) ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	±1.2% of mv (+1 to +200000 mg/l NaCl)
Resolution		0.1 °C (-50 to +150 °C)	0.1 mg/l NaCl (+1 to +200000 mg/l NaCl)

Oper. temp.	0 to +40 °C	Resolution: max. 0.1 µS/cm Temp. compensation, automatic Temp. coefficient: 0 to 5 %/°C linear Compensation according to non-linear function of natural waters to DIN 38404 from 0 to +50°C Autom. switching between measuring ranges (conductivity) Auto-OFF function Switches between °C/°F
Storage temp.	-20 to +70 °C	
Display	LCD, 2 lines	
Battery type	9V block battery	
Battery life	60 h	
Dimensions	168 x 72 x 27 mm	
Weight	170 g	
Material/Housing	ABS	
Warranty	2 years	
Protection class	IP54	