

Compact conductivity/°C measuring instrument – With range of probes

testo 240

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.

- Long life of measurement cell thanks to 4 electrode engineering
- Extremely wide measurement ranges with only one measurement cell



Conductivity and temperature measurement instrument in one



Measuring salt level (NaCl) in the pickle of pickled foods

Versatile Set 1, Better value in set

testo 240 conductivity and temperature measuring instrument, battery, 2 electrode clips, versatile conductivity measurement cell, case (plastic)

Part no. 0563 2405

Precision Set 2, Better value in set

testo 240 conductivity and temperature measuring instrument, battery, 2 electrode clips, precision conductivity measurement cell, case (plastic)

Part no. 0563 2406

testo 240

Conductivity and temperature measuring instrument incl. battery and 2 electrode clips

Part no. 0560 2404

Accessories Ordering data

Accessories Ordering data	Part no.
Conductivity standard (1413 $\mu\text{S/cm}$), 0.01 mol/l KCL, to calibrate conductivity measuring cells	0554 2334
Glass pipe for immersion/penetration probe to protect from corrosive agents	0554 7072
Set case (plastic) for measuring instrument, probes and accessories, User-friendly arrangement of measuring instrument and accessories	0516 0230
ISO calibration certificate/Water 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/Water 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	$\pm 1\%$ of mv (0 to +2000 mS/cm)	$\pm 0.5\%$ of mv (+100 to +150 °C) ± 0.2 °C (-25 to +74.9 °C) ± 0.4 °C (remaining range)	$\pm 1.2\%$ 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	Dimensions	168 x 72 x 27 mm
Storage temp.	-20 to +70 °C	Weight	170 g
Battery life	60 h	Protection class	IP54
Resolution max. 0.1 $\mu\text{S/cm}$; temperature compensation automatic; temperature coefficient: 0 to 5 %/°C linear; compensation in accordance with non-linear function of natural water to DIN 38404 from 0...+50°C; autom. measurement range switchover (conductivity); Auto OFF function; switch between °C/°F			

Description	Illustration	Meas. range	Other features	Part no.
Universal conductivity measuring cell, type 07 mS, highest accuracy up to 200 mS/cm, stainless steel		+0.001 to +200 mS/cm 0 to +60 °C	4 electrode technology with integrated temperature sensor	0650 3023 Conn.: Fixed cable
Precision conductivity measuring cell, type 10 mS, long-term stable, highest accuracy up to 300 mS/cm, graphite		+0.001 to +300 mS/cm 0 to +60 °C	4 electrode technology with integrated temperature sensor	0650 3024 Conn.: Fixed cable

Description	Illustration	Meas. range	Accuracy	t ₉₉	Part no.
Waterproof immersion/penetration probe		-50 to +150 °C Long-term meas. range +125 °C, short-term +150 °C (2 min)	$\pm 0.5\%$ of mv (+100 to +150 °C) ± 0.2 °C (-25 to +74.9 °C) ± 0.4 °C (remaining range)	10 s	0613 1211 Conn.: Fixed cable
Laboratory probe, glass-coated, resistant to corrosive substances, glass stem can be replaced		-50 to +150 °C Long-term meas. range +125 °C, short-term +150 °C (2 minutes)	$\pm 0.5\%$ of mv (+100 to +150 °C) ± 0.2 °C (-25 to +74.9 °C) ± 0.4 °C (remaining range)	40 s 10 s*	0613 7011 Conn.: Fixed cable
Food probe (IP65) stainless steel, PUR cable can be used at up to +80°C, IP54 plug-in connection		-50 to +150 °C Long-term meas. range +125 °C, short-term +150 °C (2 minutes)	$\pm 0.5\%$ of mv (+100 to +150 °C) ± 0.2 °C (-25 to +74.9 °C) ± 0.4 °C (remaining range)	8 s	0613 2211 Conn.: Fixed cable
Waterproof surface probe with widened measuring tip, for flat surfaces		-50 to +150 °C Long-term meas. range +125 °C, short-term +150 °C (2 minutes)	$\pm 0.5\%$ of mv (+100 to +150 °C) ± 0.2 °C (-25 to +74.9 °C) ± 0.4 °C (remaining range)	35 s	0613 1911 Conn.: Fixed cable

See testo 110 for more temperature probes

* without protective glass

