

testo 230

Compact pH/°C measuring instrument

testo 230 combines a complete pH measuring instrument and a high standard thermometer in a compact, waterproof housing. The redox voltage can also be determined by connecting the redox electrode type 06.

The instrument has automatic temperature compensation and can be calibrated in the pH range with standard and also with DIN buffers.

- Easy, user-friendly operation
- pH/°C electrodes are connected via a single plug-in connection
- Robust and splashwater-proof (IP 54)
- Easy-to-read large 2 line display
- Latest probe technology for almost every application
- Displays calibration data and error messages
- pH and temperature measuring instrument in one



2 line display

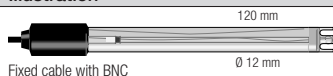
Plug-in connection for pH/°C/redox electrodes

testo 230, analysis instrument, with 2 electrode clips and battery

Part no.
0560 2304

pH / °C/ redox electrodes

Universal electrode type 01 pH: affordable, indestructible plastic electrode with gel electrolyte, thus practically maintenance-free, with gel storage cap



Meas. range

Oper. temp.

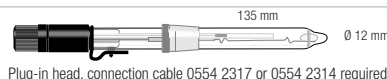
Part no.

0 to +14 pH

0 to +60 °C
Short-term to +80 °C

0650 0623

Laboratory electrode type 02 pH: highly accurate glass electrode with excellent chemical resistance. Long life. Liquid electrolyte. Incl. standard ground sleeve adapter and immersion cap

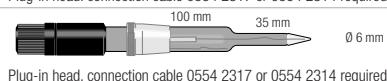


0 to +14 pH

0 to +80 °C
Short-term to +100 °C

0650 1223

Penetration electrode type 03 pH: highly accurate glass electrode with solidified electrolyte suitable for use in food. Not affected by dirt due to hole diaphragm. Incl. ground sleeve adapter and immersion cap.



+2 to +14 pH

0 to +40 °C
Short-term to +60 °C

0650 0225

Type 04 pH: indestructible plastic electrode with temperature sensor. Gel electrolyte, thus practically maintenance-free. Incl. ground sleeve adapter and immersion cap



0 to +14 pH
0 to +60 °C

0 to +60 °C

0650 0823

Special electrode type 05 pH: indestructible plastic electrode with temperature sensor. Reduced problems with dirt, high accuracy due to single pore diaphragm. Incl. ground sleeve adapter and immersion cap



0 to +14 pH
0 to +60 °C

0 to +60 °C

0650 1623

Redox electrode type 06 mV: robust glass electrode, insensitive to electrode poisoning due to two chamber system. Incl. ground sleeve adapter and immersion cap

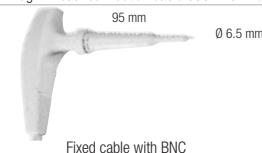


-2000 to +2000 mV

0 to +80 °C

0650 2523

Robust penetration electrode type 13 pH: for solid or semi-solid foodstuff with break-proof plastic coating around the glass electrode and food-safe electrolyte. Not affected by dirt thanks to hole diaphragm. Incl. immersion cap



+2 to +14 pH

0 to +40 °C

0650 0245

Type 14: indestructible plastic electrode with temperature sensor, gel electrolyte, therefore practically maintenance-free, with gel storage cap



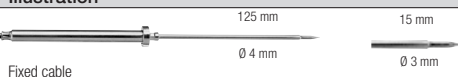
0 to +14 pH
0 to +60 °C

0 to +60 °C

0650 2064

Temperature probes

Stainless steel NTC food probe (IP65) with PUR cable



Meas. range

Accuracy

t99

Part no.

-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

Robust NTC food penetration probe with special handle, reinforced PUR cable



-25 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)

7 s

0613 2411

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



testo 230

Sets, accessories and technical data

Sets	Part no.
testo 230, affordable set: testo 230 analysis instrument with 2 electrode clips and battery, Testo buffer set pH 4 and 7, 50ml each, universal electrode Type 01 pH and set case (plastic)	0563 2307
testo 230, Universal set: testo 230 analysis instrument with 2 electrode clips and battery, Testo buffer set pH 4 and 7, 50ml each, universal electrode Type 04 pH and set case (plastic)	0563 2305
testo 230, Food set: testo 230 analysis instrument with 2 electrode clips and battery, Testo buffer set pH 4 and 7, 50ml each, penetration electrode Type 03 pH, storage solution (50ml), connection cable (1m), food probe made of stainless steel (IP 65) and plastic set case	0563 2306
testo 230, Food set for solid/semi-solid food: testo 230 analysis instrument with 2 electrode clips and battery, Testo buffer set pH 4 and 7, 50ml each, robust penetration electrode Type 13 pH, storage solution (50ml), robust food penetration probe with special handle (IP 65) and transport case made of plastic	0563 2308

Accessories	Part no.
Transport and Protection	
Set case (plastic) for measuring instrument, probes and accessories user-friendly arrangement of measuring instrument and accessories	0516 0230
Additional accessories and spare parts	
Gel storage cap for standard electrodes	0554 2053
Connection cable for electrodes with plug-in head, 1m long S7-BNC plug-in connection	0554 2317
Testo buffer set pH 4, 7; 50 ml each for calibration in acidic range	0554 2321
Testo buffer set pH 4, 7, 10; 50ml each for calibration in acidic and alkaline range	0554 2320
Storage solution (refill solution for electrode type 02 pH), 50 ml for electrodes type 01 pH, 02 pH, 04 pH, 06 mV	0554 2332
Storage solution; 50ml for electrode type 03 pH and type 13 pH	0554 2318
Storage and refill solution; 50ml for electrode type 05 pH	0554 2319
Redox standard 358 mV, 50ml	0554 2333
Calibration Certificates	
ISO calibration certificate/water analysis for pH buffer solutions; calibration points 4 pH; 7 pH; 10 pH	0520 0007
ISO calibration certificate/water analysis at 3 pH values over the measuring range	0520 0037

Technical data			
Probe type	pH electrode	NTC	Redox electrode
Meas. range	0 to +14 pH	-50 to +150 °C	-1999 to +1999 mV
Accuracy ±1 digit	±0.01 pH (0 to +14 pH)	±0.5% of mv (+100 to +150 °C) ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (-50 to -25.1 °C) ±0.4 °C (+75 to +99.9 °C)	±1 mV (-999 to 0 mV) ±1 mV (0 to +999 mV) ±2 mV (-1999 to -1000 mV) ±2 mV (+1000 to +1999 mV)
Resolution	0.01 pH	0.1 °C	1 mV

Oper. temp.	0 to +40 °C	Temperature compensation: man. -10 to +150°C; auto -50 to +150°C
Storage temp.	-20 to +70 °C	
Display	LCD, 2 lines	
Battery type	9V block battery	
Battery life	100 h	
Dimensions	168 x 72 x 27 mm	
Weight	170 g	
Material/Housing	ABS	
Warranty	2 years	

