



**Precision Temperatur-/Humidity Indicating Instruments
Portable Digital Thermohygrometer**

E200: large display
C200 and C210:
extra large display

Dew point calculation

Absolute humidity
calculation

Unique THUMB-WHEEL
single-hand operation

°C and °F switchable

Functiones:
Hold, MAX, MIN, Avg.

C200 and C210:
Adjustable auto-off,
Integrated real-time clock

One point calibration
(Temperatur)

Two point calibration
(relative Feuchte)
(E200: One point cal.)

Type E200	Type C200	Type C210
		
With rigid probe	With rigid probe	With flexible probe

Typical Applications:

- Climate control in buildings
- Climate control in museums, warehouses...
- Climate control in electrical panels

Technical Data:

Temperature:	E200	C200+C210	Relative Humidity	E200	C200+C210
Prinziple:	NTC	NTC	Prinziple:	capacitive	capacitive
Range:	-20...+50°C	-20...+50°C	Range:	5...95% r.h.	0...98% r.h.
Accuracy:	±0.4°C (0-40°C, else ±0.7°C)	±0.3°C (0-40°C, else ±0.5°C)	Accuracy:	±3% r.h.	±2% r.h.
Resolution:	0.1°C	0.1°C	Resolution:	0.1% r.h.	0.1% r.h.

Operating temperature: 0...50°C

Battery type: 4 x 1.5 V (AA), Alkali-Mangan, Type E200: 9V-Block battery (included in standard supply)

Battery life: Types C200 and C210: typ. > 500 h, Type E200: typ. >150 h

Dimension: Types C200 and C210: appr. 147 x 85 x 37 mm, Type E200: appr. 175 x 48 x 25 mm

Weight: Types C200 and C210: appr. 400 gr., Type E200: appr. 200 g

Sensor protection: plastic grid

Functions: HOLD, MAX, MIN, AVG, AutoOFF, CAL1P, °C, °F
Dew Point (°C/°F), absolute humidity (g/m³), relative humidity (%)
C200 and C210 have also: DATE, TIME, AutoOff, CAL2P, Display Illumination



DRUCK & TEMPERATUR Leitenberger GmbH

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Order-Codes and Supplies:

Order-Code	Description / standard supply
5220. 00	Temperature-/Humidity Indicator Type E200 (with rigid probe) incl. 1 Battery 9 V, operating manual German / English
5120. 00	Temperature-/Humidity Indicator Type C200 (with rigid probe) incl. 4 Batteries 1.5 V (AA) Alkali-Mangan, operating manual German/Englisch and test report
5120. 10	Temperature-/Humidity Indicator Type C210 (with flexible probe) incl. 4 Batteries 1.5 V (AA) Alkali-Mangan, operating manual German/Englisch and test report

Optional Accessories:

Order-Code	Description	
3120. CAS	Strong plastic carrying case with foams for indicator C200/C210 plus accessories	
5220. BAG	Textile Case (Belt Clip) for type E200	
5120. KAL	Calibration solution 35% r.h., Accuracy $\pm 0.5\%$ r.h. / $23^{\circ}\text{C} \pm 2^{\circ}\text{C}$	
5120. 035	Calibration solution 35% r.h., Accuracy $\pm 0.5\%$ r.h. / $23^{\circ}\text{C} \pm 2^{\circ}\text{C}$	
5120. 055	Calibration solution 55% r.h., Accuracy $\pm 0.9\%$ r.h. / $23^{\circ}\text{C} \pm 2^{\circ}\text{C}$	
5120. 080	Calibration solution 80% r.h., Accuracy $\pm 1.2\%$ r.h. / $23^{\circ}\text{C} \pm 2^{\circ}\text{C}$	
5120. 210	Wire-mesh filter for medium dirt protection Material: PC housing with metal grid Response time t_{50} : 7 s Pore size: 100 μm	
5120. 211	Stainless steel sinter filter for high protection Material: Stainless steel sinter Response time t_{50} : 30 s Pore size: 10 μm	

In similar execution we offer other portable digital indicators:

- Digital portable temperature indicator (Pt 100 and Thermocouples): Type C100, C110 and C120
- Digital portable pressure indicator (pressure, vacuum, differential pressure): Types C310, C320, C330 and C340
- Digital portable air pressure indicator (barometric pressure): Type C300



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