






Precision Temperature Indicator: Portable Digital-Thermometer

- For Industry, Laboratory and Research
- Large and illuminated display
- Integrated Real Time Clock (Date & Time)
- Functions: Hold, MAX, MIN, Average
- Unique THUMB-WHEEL single hand operation (all functions to be selected with your thumb)
- Einstellbare automatische Abschalt-Funktion
- °C and °F switchable
- One and two calibration points (Polynom)

Type C100	Type C110	Type C120
		
1 Channel for Pt 100 (4-wires)	2 Channels for 1 x Pt 100 (4-wires) and 1 x TC Thermocouple	2 Channels for 2 x TC Thermocouple (also Differential Temperature)

Technical Data:	Pt 100 (4-wires) Type C100 and C110	TC Thermocouples Type C110 and C120			
		Type K/J/N	Type E	Type R/S	Type T
Range:	-200...+500°C	-200...+1200°C	-270...+1000°C	-50...+1770°C	-270...+400°C
Accuracy:	±0.1°C (-100°C...+200°C) elsewhere ±0.2°C	± (0.5°C ±0.2% of reading)		± (0.5°C ±0.3% of reading)	
Resolution:	0.01°C (-100°C...+200°C) elsewhere 0.1°C	0.1°C			
Operating Temp.:	0...50°C				
Battery Type:	4 x 1.5 V (AA), Alkali-Mangan (included in standard supply)				
Battery Life:	typical > 500 hours				
Dimensions:	appr. 147 x 85 x 37 mm				
Weight:	appr. 400 g				
Funktionen:	HOLD, MAX, MIN, AVG, DATE, TIME, AutoOFF, CAL, POLY-CAL, °C, °F, Display Illumination				



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Order Codes and Standard Supply:

Order-Code	Description / included in standard supply
3120. 00	Temperature Indicator Type C100 for Pt 100 (4-wires), 1 channel incl. 4 batteries 1.5 V (AA) Alkali-Mangan, Operating Manual (English/German) and inspection certificate
3120. 10	Temperature Indicator Type C110 for Pt 100 (4-wires) and Thermocouples, 2 channels incl. 4 Batteries 1.5 V (AA) Alkali-Mangan, Operating Manual (English/German) and inspection certificate
3120. 20	Temperature Indicator Type C120 for Thermocouples, 2 channels incl. 4 Batteries 1.5 V (AA) Alkali-Mangan, Operating Manual (English/German) and inspection certificate

Optional Accessories:

Order-Code	Description
3120. CAS	Plastic Carrying Case with foams (for indicator and accessories)
3120. 50	Plug for Pt 100 (4-wires) non-system probes, 4-poles with screw terminals

Resistance Pt 100 Probes and TC Thermocouple Probes (Type K):

see sep. datasheet "C1XX-F" - **others on request**

Keep in mind, with the C100 and C120 you can use also "exotic" thermocouples like type J and S.

NOTE:

You can use this temperature indicators not only with our "system probes", but with all standard probes. Thermocouples can be connected directly (if they are fitted with standard DIN plug). For connecting Resistance Thermometers (Pt 100, 4 wires), you need our accessory part no. 3120.50 (plug). But only our "system probes" are coming with special handle suitable to be fixed on the housing of the indicator.

In similar execution we offer other portable instruments:

- Temperature- and Humidity Indicator: Types C200 (with rigid sensor) and C210 (flexible sensor)
- Pressure Indicator (pressure, vacuum, differential pressure): Types C310, C320, C330 and C340
- Barometric Air Pressure Indicator: Type C300

