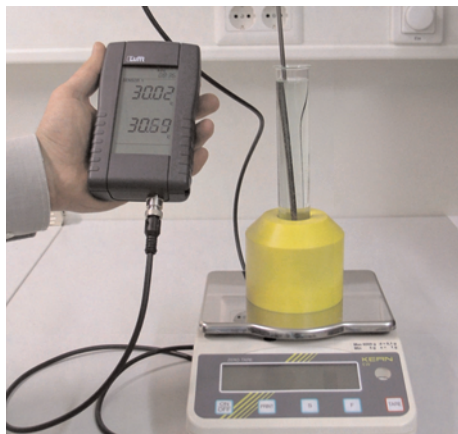


# Reference Thermometer C101 (Accuracy of 0.02°C)

The C101 Reference Thermometer is unique in its class with an accuracy of 0.02°C in the range from -40°C...200°C. This is achieved by means of high-quality, coiled, glass-sealed PT100 sensors and precision electronics with a 24 bit analog/digital converter. Both the sensor and the electronics are pre-aged in an intricate process and in this way achieve excellent long-term stability.



Technical Data	Order No.
<b>Reference Thermometer C101</b> qualified, complete with sensor and case	<b>3120.SET</b>
Operating temperature	0...50°C
Battery type	4x1,5V (AA), alkaline-manganese
Service life	Typically < 500h
Included in the scope of supply	Sensor, case, battery, factory certificate
Functions	HOLD/MAX/MIN/AVG/DATE/TIME/AutoOFF/CAL, POLY-CAL/°C, °F/Display lighting
Weight (C101)	approx. 400g
Dimensions (C101)	147x85x37mm
Dimensions (sensor)	300x4mm
Cable length	approx. 2m, PUR cable and handle can be used up to 80°C
Application range	Gaseous, liquid and powdery media
<b>Temperature</b>	
Principle	PT100 (4 wire)
Measurement range (instrument)	-200...500°C
Measurement range (sensor)	-150...450°C
Accuracy (instrument with sensor at 20°C)	±0.01°C (at 0°C), ±0.02°C (-40...200°C), +1 digit
Temperature coefficient, electronics	±1 mK/K
Resolution	0.01°C (-100...200°C), otherwise 0.1°C
Response time	10s
<b>Accessories</b>	<b>Order No.</b>
DKD certificate with 5 temperature points	<b>DKD.1T204</b>

