

Checkmate III (Celox/QuikCup)



Calibration and Checking of Measurement Instruments

Checkmate III has been developed for the calibration and regular checking of measurement instruments and their peripherals. Checkmate III is an easy to use checking and calibration instrument.

It is equipped with all the necessary features for fast and accurate testing. Through its particular features and easy to use characteristics, Checkmate III can check an instrument in the field. Instrument peripherals, e.g. immersion lance or QuiK-Cup holder are included in the function test, thus providing a complete system check.

Technical Data

Measurement application	temperature simulation, voltage simulation, insulation test
Measuring Ranges	Display of seven temperature and seven EMF values according to IEC 584, IPTS68, or IPTS48 with cold junction compensation.
Measurement accuracy	Temperature type S, R, B: $\pm 0.05\% + 1\text{ }^{\circ}\text{C}$ Temperature type K: $\pm 0.05\% + 0.5\text{ }^{\circ}\text{C}$ EMF values: $\pm 0.05\% + 0.1\text{ mV}$
Displays	2-line LCD-Display, 16 characters, reflective mode
Operation	Industrial keypad, 5 function keys
Instrument Types	Checkmate III Positherm/Celox: temperature/EMF-simulation, insulation test Checkmate III Positherm/Quik-Cup: bath /solidification temperature, insulation test
Ambient temperature	0°C to 50°C
Mains voltage	Batteries type Mignon 4 * 1.5V size AA
Housing, dimensions, and weight	Dimensions: h=195mm, w=101mm, d=44mm, Material : ABS (UL-94 HB) with EMC shielding, Weight : 510g.