

## Traqc-3 LL Temperature Calibrator

- ✓ **Rugged**
- ✓ **Lightweight**
- ✓ **Easy to use**
- ✓ **High benefit-cost ratio**
- ✓ **Superb axial Homogeneity**
- ✓ **High stability**
- ✓ **Software**
- ✓ **Modern design**



### On the right TRAQC with Tradinco Quality Calibrators

The use of model TRAQC-3 LL offers a number of great advantages above alternative methods of temperature calibration.

The TRAQC-3 LL dry block calibrator is a high precision Laboratory temperature calibrator ranging from -30°C up to 150°C. This instrument is equipped with a special patented Heat / Cooling section which creates a superb axial homogeneity.

This ensures an accurate and stable Temperature calibration.

Up to two inserts, insert puller and insulating tube can be stored inside the housing of the TRAQC-3 LL calibrator.

Full automatic temperature calibration is possible in conjunction with our Autocal® calibration software. This combination saves time and reduces the uncertainty level significantly.

Tradinco Instruments distributes, designs, manufactures and repairs calibration, sensing equipment and instruments for various industries.

Our core values are quality, service and keeping our knowledge up to date with the latest technical innovations.



## Technical Specifications

### General

Display	: Dual digit led display (Upper 10mm, Lower 8mm)
Resolution	: 4 digits, 0.1 °C/°F
Switch test	: Powerless switch, LED indicator, 5VDC, 16mA max.
Interface	: RS232 for use with AutoCal Software
Supply voltage	: 230VAC, 50/60 Hz
Power consumption	: 300 Watts
Fault protection	: Internal sensor break detection
Fuse	: 2x 3.15A antisurge, 230 VAC
Thermal Protection switch	: 167°C
Safety	: NEN-EN-IEC 61010-1.
Conformity EMC	: NEN-EN-IEC 61000-4-3, -3-2, -3-3, -4-2, -4-4, -4-5
Well depth	: Max. 145 mm, recommended 135mm.
Well diameter	: Max. Ø25mm
Weight	: 11.5 KG, without power cord, incl. insert
Dimensions (LxWxH)	: 399.3x149.3x298mm (399.3x143.3x346 mm including insulation tube)

### Generation and control

Temperature range	: -30°C to 150°C
Accuracy	: Full range better than $\pm 0.4$ °C
Stability	: $\pm 0.04$ °C
Worst case boring to boring difference	: 0.3°C (3 borings in insert)
Stabilization	: 35 minutes
Axial temperature Homogeneity, 40 mm at 135 mm well depth	: 0.16 °C in accordance with Euramet CG-13
Heating time ambient to 130 °C	: 20 minutes
Cooling time 130 °C to ambient	: 30 minutes
Cooling time Ambient to -30°C	: 14 minutes
All specifications	: Ambient temperature 20°C $\pm 2$ °C

### Option and Accessories

- RvA accredited calibration certificate for temperature, traceable to international standards
- AutoCal® calibration management software
- Cleaning set (brass wire brush and brass tube wire brush)
- Insert; 1, 2, 3 or 4 bore(s) or undrilled. Sizes upon request
- Carrying case
- A rugged carrying case which offers maximum protection during transport. This case is watertight and is secured by two safety latches. It stores the TRAQc-3 LL, up to 3 inserts, insert grabber, mains power cord, cleaning set, manual and calibration certificate

Specifications may be changed without notice