

Datasheet Traqc-3 LL

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



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.

Fully automatic temperature calibration is possible in conjunction with our AutoCal+ calibration software. This combination saves time and reduces the uncertainty level significantly.

About Tradinco Instruments

Tradinco Instruments provides the best solution for every test, measurement and calibration challenge in the industry.

Our brand promises:

- ✓ Skilled specialists
- ✓ Customer focus
- ✓ Broad portfolio
- ✓ Long-term partnership

AutoCal+
The Calibration Software®

Technical specifications

General

Display	Dual digit led display (upper 10mm, lower 8 mm)
Resolution	4 digits, 0.1°C/°F
Switch test	Powerless switch, LED indicator, 5VDC, 16mA max
Interface	RS232 for use with AutoCal+ calibration software
Supply voltage	230VAC, 50/60 Hz
Power consumption	300 Watts
Fault protection	Internal sensor break detection
Fuse	2x 3.15A antisurge, 230 VAC
Switch test	Powerless switch, LED indicator, 5 VDC, 16 mA max
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	399.3 x 149.3 x 298 mm
	(399.3 x 143.3 x 346 mm including insulation tube)

Generation and control

Temperature range	-30°C to 150°C
Accuracy	Full range better than ±0.4 °C
Stability	±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 ±2°C

Optional accessories

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
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 of the product may be changed without notice