

Dry Block Calibrators

Wide Temperature Range

CAL FAST offer a wide temperature range from 50 °C to 350 °C

Lightweight & portable

The CAL FAST block is ideal for Industrial/ Laboratory field use. It only weights about 1.5kg, and it is small enough to carry around.

Speed

The CAL FAST extremely quick to reach various temperatures, i.e. it cools down to 100 °C in 15 minutes and heats up from room temperature to 350°C in 10 minutes. This saves time and increases productivity.

Accuracy and performance

The CAL FAST is an easily portable unit that also provides excellent calibration accuracy with stability $\pm 0.05^{\circ}\text{C}$ (15 min)

Accredited calibration

Each CAL FAST is delivered with an accredited calibration certificate.

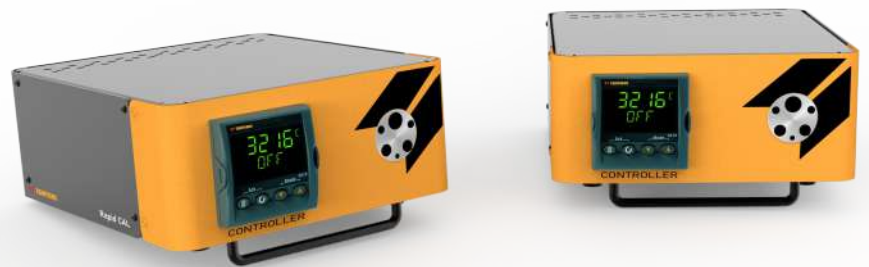
Computer Interface

The communication port (RS-232) enables communication with selected CAL FAST calibrators for automation calibration and documentation thus it made documentation easy.

CAL FAST



Portable, Dry Block Temperature Calibrator for Industrial/ Laboratory Field Use



CAL FAST offers medium temperature range from 50 to 350°C. It is a highly stable standard furnace for calibrating thermocouples / RTD. The comparison volume is a metallic block of aluminum, which has diameter of 27mm and 120mm long. The temperature of the calibrator is set and controlled by a self tuned PID controller with automatic super fine adjustment

With the Tempsens make Compact Temperature Calibrator, you have chosen an extremely effective instrument which we hope will live up to all your expectations. This is a fast, timesaving, and reliable true industrial temperature calibrator designed for on-site use.

During the past several years, we have acquired extensive knowledge of industrial temperature calibration. This expertise is reflected in our products which are all designed for daily use in an industrial environment.

SPECIFICATIONS

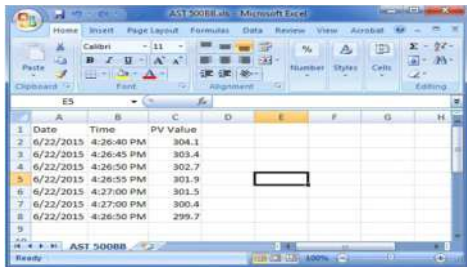
| | |
|--------------------------------|--|
| Temperature range | 50 to 350°C |
| Temperature Resolution | 0.1°C |
| Stability (15 min) | ±0.05°C |
| Radial Uniformity | ±0.2°C |
| Time to Reach Max. Temperature | 10 Mins |
| Time to Reach Mini Temp | 15 Mins (Max to 100°C) |
| Controlling Sensor | RTD (Pt 100) |
| Method of Control | Digital self tuned PID Controller |
| Insert Construction | Dia 27 x 120 mm long with 3 holes of 6.5 x100 mm insertion depth |
| BB Cavity Aperture | 25 mm |
| BB Cavity Emissivity | 0.97 (±0.02) |
| Computer Interface | RS - 232 (Optional) |
| Operating Temperature | 20 to 45°C |
| Power Requirement | 230 VAC, 500 W |
| Dimensions | 80(H) x 120(W) x170(D) mm |
| Instrument Weight | 1.5 Kg (without packing) |

ACCESSORIES

STANDARD ACCESSORIES

SOFTWARE (Optional)

- Cal Soft including for setting bath temperature and monitoring the PV. Graphical representations of PV/TIME with 2 hours data logging.



| 1 | Date | Time | PV Value |
|---|-----------|------------|----------|
| 2 | 6/22/2015 | 4:26:40 PM | 304.1 |
| 3 | 6/22/2015 | 4:26:45 PM | 303.4 |
| 4 | 6/22/2015 | 4:26:50 PM | 302.7 |
| 5 | 6/22/2015 | 4:26:55 PM | 301.9 |
| 6 | 6/22/2015 | 4:27:00 PM | 301.5 |
| 7 | 6/22/2015 | 4:27:00 PM | 300.4 |
| 8 | 6/22/2015 | 4:26:50 PM | 299.7 |

MASTER SENSOR

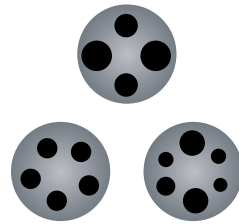
- Reference Standard Thermocouple
Part No. TTCK-300



- NABL accredited calibration certificate - 3 point
- Operational Manual

OPTIONAL ACCESSORIES

- Customized Equalizing Block....Part No. EQ1



Customized Equalizing Block....Part No. EQ1

CARRY CASE (Optional)



- Tempsens makes customized carry case is a rugged, safe perfectly designed to carry our new CAL FAST calibrator and different accessories.