## Tecal 700X Precision Dri-Block Temperature Calibrator

The Tecal 700X offers precise temperature control stability up to 700°C. This unit gives market leading stability and accuracies up to and above the melting point of Aluminium at 660°C. For optimum performance you can count on Techne thermal solutions.

- Very economically priced
- Wide temperature range
- Switch test functions
- Large multi-hole fixed block with slim inserts to match most common size probes
- Solid block giving unrivalled temperature uniformity
- Rapid heating and cooling rates.
- New built USB connection to TechneWorks software package

**700X**

The Tecal 700X Block calibrator utilises a special heater block design giving optimum temperature uniformity and rapid heating rates. The block has 6 fixed bores either metric or imperial sizes with a slim insert matching any of the bores. This block is designed to give unrivalled unifiormity across the block but also allow the maximum flexibility between test probe sizes. The block design allows fast heat up and cool down rates while minimising the weight of the unit.

### Technical Specifications

| | |
|---|---|
| Minimum temperature | Ambient + 25°C |
| Maximum temperature | 700°C |
| Display accuracy | ± 0.25°C at 700°C |
| Temperature uniformity | ±0.04°C radial and ±0.4°C axial |
| Temperature stability | ±0.03°C (@ 700°C) and ±0.005°C (@ 100°C) |
| Display resolution | 0.01°C selectable °C or °F |
| Heating rate, amb to 700°C | 25 minutes |
| Cooling rate, 700°C to 100°C | 30 minutes |
| Slim insert blank size (Metric) | Ø15mm x 156 mm long. Fixed block Ø15/10/8/6/4.5/3mm |
| Slim insert blank size (Imperial) | Ø3/8" x 156 mm long. Fixed block Ø 5/8, 3/8, 5/16, 1/4, 3/16, 1/8" |
| Fan cooling | Automatic |
| Communication | USB |
| Dimensions H x W x D | 285 x 190 x 426mm |
| Weight | 10kg |

### Ordering Information

| Product Code | Model |
|---|---|
| FDB700XS | Tecal 700X 230v with USB comms |
| FDB700XP | Tecal 700X 120v with USB comms |

### Accessories

| Product Code | Model |
|---|---|
| FSC700X | Soft Carry case 700X |
| FCAL700 | Hard Carry case 700X |
| **Insert blocks - Aluminium bronze Ø15 x 156mm long** | |
| FINS7080 | Insert Block probe 8.0mm |
| FINS7060 | Insert Block probe 6.0mm |
| FINS7045 | Insert Block probe 4.5mm |
| FINS7030 | Insert Block probe 3.0mm |
| FINS7BLM | Insert Block BLANK METRIC |
| **Insert blocks - Aluminium bronze Ø5/8" x 156mm long** | |
| FINS7375 | Insert Block probe 3/8" |
| FINS7312 | Insert Block probe 5/16" |
| FINS7250 | Insert Block probe 1/4" |
| FINS7220 | Insert Block probe 7/32" |
| FINS7187 | Insert Block probe 3/16" |
| FINS7125 | Insert Block probe 1/8" |
| FINS7BLI | Insert Block BLANK IMPERIAL |
| FCALUSB | USB cable ip68 mini 'B' to std 'A' type |