

# TDB-120, Dry block thermostat

## DESCRIPTION

**TDB-120** is a traditional Biosan's dry block thermostat for laboratory analysis. Thermostat is designed for maintaining constant temperature of samples in tubes inserted in the aluminium block sockets. Unprecedented high precision and uniformity of temperature over the block. **TDB-120** is widely used for PCR-analysis.

Microprocessor controlled temperature and time. Simultaneous indication of set and actual temperature and time.

Blocks (built in) specifications:

Two models are available offering a choice of tube configurations to meet the needs of many standard laboratory procedures:

### Block A-103

21 × 0.5 ml + 32 × 1.5 ml + 50 × 0.2 ml microtubes

### Block A-53

21 × 0.5 ml + 32 × 1.5 ml microtubes

## SPECIFICATIONS

|                                           |                                    |
|-------------------------------------------|------------------------------------|
| Temperature setting range                 | +25°C ... +120°C                   |
| Temperature control range                 | 5°C above ambient ... +120°C       |
| Temperature setting resolution            | 0.1°C                              |
| Temperature stability at +37°C            | ±0.1°C                             |
| Temperature uniformity at +37°C           | ±0.1°C                             |
| Temperature calibration coefficient range | 0.968...1.031 (± 0.031)            |
| Digital time setting                      | 1 min–96 hrs (increment 1 min)     |
| Display                                   | LCD, 2x16 signs                    |
| Overall dimensions (W×D×H)                | 230 × 210 × 110 mm                 |
| Weight                                    | 2.8 kg                             |
| Power consumption (230 V)                 | 200 W (870 mA)                     |
| Nominal operating voltage                 | 230 V, 50/60 Hz or 120 V, 50/60 Hz |



## CAT. NUMBER

| With block A-53  | With block A-103                            |
|------------------|---------------------------------------------|
| BS-010401-PAA    | 230VAC 50/60Hz Euro plug                    |
| BS-010401-PAB    | 230VAC 50/60Hz UK plug                      |
| BS-010401-PA3    | 230VAC 50/60Hz AU plug                      |
| BS-010401-PAC    | 100VAC 50/60Hz US plug, 120VAC 60Hz US plug |
| With block A-103 | With block A-53                             |
| BS-010401-QAA    | 230VAC 50/60Hz Euro plug                    |
| BS-010401-QAB    | 230VAC 50/60Hz UK plug                      |
| BS-010401-QA3    | 230VAC 50/60Hz AU plug                      |
| BS-010401-QAC    | 100VAC 50/60Hz US plug, 120VAC 60Hz US plug |
| BS-010401-CK     | IQ OQ document                              |
| BS-010401-DK     | PQ document                                 |