liquid temperature calibration baths

Techne® invented the "Clip On" thermoregulator in 1948, and now offer four "Clip On" units. Thermoregulators are designed to be used with the Techne® unheated water baths or any other suitable laboratory vessels. They will heat, circulate and safely control the temperature of the liquid in the bath within precise limits.

Stability ±0.01°C

TE-10A

TE-10A Tempette

- Temperature range of -20°C* to 95°C
- Excellent temperature stability: ±0.01°C at 40°C
- Simple to use analogue control
- Suitable for most routine laboratory applications
- User adjustable over-temperature cut-out for unbeatable safety

TE-10D Tempette

- Temperature range of -40°C* to 120°C
- Excellent temperature stability: ±0.01°C at 40°C
- 4 digit setting with a bright LED digital temperature display
- Suitable for most routine laboratory applications
- User adjustable over-temperature cut-out
- Low liquid level cut-out as standard

Technical Specification

Specifications to DIN 12876	TE-10A	TE-10D
Temperature range*	-20°C to +95°C	-40°C to +120°C
Temperature selection	Analogue	Digital
Temperature stability using water @ 40°C	±0.01°C	±0.01°C
Method of control	Proportional	PID
Temperature sensor	Thermistor	PRT
Adjustable over-temperature cut-out	Yes	Yes
Low liquid level cut-out	Yes	Yes
Heating/Pumping		
Nominal heater power at 120V (W)	1000	1000
Nominal heater power at 240V (W)	1000	1000
Pump capacity litres/minute	10	10
Pump capacity (mbar)	145	145
Dimensions		
Extension below base (mm)	145	145
Dimensions L x W x H (mm)	237 x 124 x 260	237 x 124 x 260

* Refrigeration or cooling coil required for below ambient cooling (see Flow and Dip Coolers and the cooling coil).

Stability ±0.01°C

TE-10D

Cooling coil

Connects to the mains water supply; the water being circulated through the coil should be at least 5°C cooler than the set of the bath temperature. (Fits to any TE or TU unit).

Ordering information

Product Code	Description
FTE10ADC	TE-10A, analogue thermoregulator, -20°C to 95°C, supplied with clamp)
FTE10DDC	TE-10D, digital thermoregulator, -40°C to 120°C, (supplied with clamp)
FCC01	Cooling Coil