



# ASTM Equipment

## 1.10 ASTM D2162 Extremely Stable Thermostatic Bath: TV15000

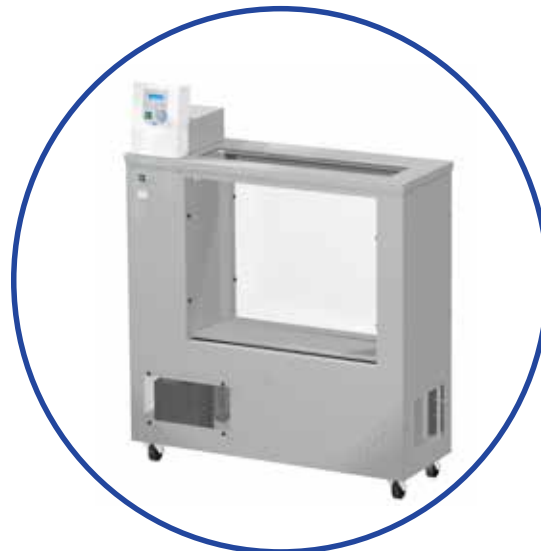
IUPAC 2002 - ASTM D445 - ASTM D2162 - ISO/EN 3104 - IP 71 - DIN 51366

The thermostatic bath has been developed to measure pH according to IUPAC recommendations 2002 "Measurement of pH. Definition, standards, and procedures". IUPAC recommends definitions, procedures, and terminology relating to pH measurements in dilute aqueous solutions in the temperature range from 5°C to 50°C.

### Main Characteristics

This unique TV15000 you can use to measure the pH at 5°C, 15°C, 25°C, 37°C, and 50°C, where the temperature has to be maintained within  $\pm 0.01^\circ\text{C}$  of the set point. For this purpose the bath is used by national metrological institutions.

Also, this bath can be used for tests that require ultra precise temperature control, or processes that need to be followed visually. Examples are thermometer and sensor calibration, and density measurements. When using a metal block (thermo well) inside the bath, stabilities of  $\pm 0.005$  can be achieved.



**TV15000**

Range	5..60°C / 41..140°F
Reading	Standard °C, °F on request
Used materials inside bath	Stainless steel 304
Setting $\pm$	0.005 K
Stability $\pm$	0.007 K
Uniformity	< 0.007 K
Heating	2500 W
Heaters	2
Bath volume	155 L
Opening bath	230 x 820 mm
Depth bath	650 mm
Dimension (LxWxH)	1170 x 420 x 1400 mm
Weight	130 kg

► TV15000 **REF 00T0500** (230V/50Hz) • **REF 00T0505** (230V/60Hz) • **REF 00T0502** (115V/60Hz)

Options		TV15000	TV16000
On request	Top lid closed	•	•
On request	Top lid 51 mm holes (nine holes)	•	•
On request	Top lid 61mm holes (six holes)	•	•
On request	Leveling platform with calibration block	•	•



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Main spare parts 230V/50-60Hz (115V-60Hz on request)		TV15000	TV16000
REF 06T0512	PCB power TMC70	•	•
REF 25T1104	Compressor	•	•
REF 24T8081	Motor fuse 0.3 Amp	•	•
REF 25T0215	Heater 500/1500 W	•	•
REF 25T1295	Motor 30 W	•	•
REF 25T1244	Fan	•	•
REF 06T0505	PCB TMC70 IO/cooler LT-version	•	•
REF 06T0503	PCB – IO DC PWM heating	•	•
REF 06T0525	PCB window heating	•	•
REF 24T0028	Power supply 500 W	•	•
REF 24T8581	Safety cut-out thermostat	•	•
REF 25T0351	Heater 500 W	•	•
REF 06T0507	PCB - display	•	•
REF 25T2310	PT-100 sensor	•	•
REF 24T8545	Mains switch	•	•
REF 06T0500	PCB microprocessor TMC70	•	•

Accessoires		
REF 25T0581P	Master Ubbelohde viscometer ISO 17025 calibrated under UKAS size 0	ASTM D2162
REF 25T0582P	Master Ubbelohde viscometer ISO 17025 calibrated under UKAS size 0B	ASTM D2162
REF 25T0583P	Master Ubbelohde viscometer ISO 17025 calibrated under UKAS size 0C	ASTM D2162
REF 25T0584P	Master Ubbelohde viscometer ISO 17025 calibrated under UKAS size 1	ASTM D2162
REF 25T0585P	Master Ubbelohde viscometer ISO 17025 calibrated under UKAS size 1B	ASTM D2162
REF 25T0586P	Master Ubbelohde viscometer ISO 17025 calibrated under UKAS size 1C	ASTM D2162
REF 25T0587P	Master Ubbelohde viscometer ISO 17025 calibrated under UKAS size 2	ASTM D2162
REF 25T0588P	Master Ubbelohde viscometer ISO 17025 calibrated under UKAS size 2B	ASTM D2162
REF 25T0589P	Master Ubbelohde viscometer ISO 17025 calibrated under UKAS size 2C	ASTM D2162
REF 25T0590P	Master Ubbelohde viscometer ISO 17025 calibrated under UKAS size 3	ASTM D2162
REF 25T0591P	Master Ubbelohde viscometer ISO 17025 calibrated under UKAS size 3B	ASTM D2162
REF 25T0592P	Master Ubbelohde viscometer ISO 17025 calibrated under UKAS size 3C	ASTM D2162
REF 25T0593P	Master Ubbelohde viscometer ISO 17025 calibrated under UKAS size 4	ASTM D2162
REF 25T0594P	Master Ubbelohde viscometer ISO 17025 calibrated under UKAS size 4B	ASTM D2162
REF 25T0595P	Master Ubbelohde viscometer ISO 17025 calibrated under UKAS size 4C	ASTM D2162
REF 25T0596P	Master Ubbelohde viscometer ISO 17025 calibrated under UKAS size 5	ASTM D2162
REF 10T6035	Viscometer holder Master Ubbelohde	ASTM D2162
REF 10T6030	Viscometer holder Master Cannon Fenske	ASTM D2162
On request	Uncalibrated master viscometers either Cannon Fenske or Ubbelohde	ASTM D2162

