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Термоприборы CANNON

Техническое описание



Dostmann P795 Dual Channel Digital Thermometer

For Highly Accurate and Precise Temperature Measurement

The Dostmann P795 dual channel digital thermometer is a precision hand held device for accurate temperature measurement. Dual channel technology allows simultaneous display of two readings or a differential result to meet the needs of automated viscosity applications, such as side-by-side kinematic viscosity, requiring two temperature measurements for viscosity index determinations.

Dimensions (W × D × H)	20 cm × 9.3 cm × 4.4 cm (7.9 in × 3.7 in × 1.7 in)
Weight	0.35 kg (0.77 lb)
Measuring 2-channel	PT100 (EN 60751)
Temperature range & accuracy	Range: -200 °C to +850 °C Accuracy: ± 0.015 °C from -50 °C to +150 °C
Temperature resolution	± 0.001 °C (from -200 °C to +200 °C)
Data output	USB
Operating conditions	0 °C to 40 °C
Housing	Plastic
Electrical specifications	9V battery or power supply 100 VAC to 240 VAC

CBC-100 External Thermoelectric Bath Cooler

For maintenance of liquid bath medium as much as 15 °C below ambient temperature

The CBC-100 external thermoelectric bath cooler extends liquid bath temperature ranges by lowering and maintaining bath temperatures as much as 15 °C below ambient. The CBC-100 improves bath temperature stability when operating at test temperatures < 40 °C in high ambient temperature test environments. It is easy to use, compact and reliable.

Dimensions (W × D × H)	Cooling unit (without probe) 10.8 cm × 19.0 cm × 22.2 cm (4.25 in × 7.5 in × 8.75 in)
	Cooling unit (with probe) 10.8 cm × 19.0 cm × 57.2 cm (4.25 in × 7.5 in × 22.5 in)
	Power supply 12.1 cm × 24.1 cm × 10.2 cm (4.75 in × 9.5 in × 4 in)
Weight	3.9 kg (8.5 lb)
Shipping dimensions (W × D × H)	91.4 cm × 33 cm × 28 cm (36 in × 13 in × 11 in)
Shipping weight (with all items)	10.4 kg (23 lb)
Temperature range	As much as 15 °C below ambient
Bath height	8 in (minimum depth required)
Operating conditions	15 °C to 30 °C, 10% to 75% relative humidity (non-condensing), Installation Category II; Pollution Degree 2
Electrical specifications	100-240 VAC, 50/60 Hz; 250 watts power consumption
Compliance	CE Mark; EMC directive (2004/108/EC); Low voltage directive (2006/95/EC); HI-POT (1900 VDC, 60 sec.); ROHS

CT-500 Series Constant Temperature Bath

***For Kinematic Viscosity from 20 °C to 100 °C
ASTM D445/D446, ISO 3104/3105***

The CT-500 series constant temperature bath accommodates viscometer tubes requiring a bath depth up to 12" and provides reliable temperature control from 20 °C to 100 °C. The unit accommodates up to 7 simultaneous viscosity determinations.

Dimensions (W × D × H)	40.7 cm × 36.2 cm × 61.0 cm (16 in × 14.25 in × 24 in)
Weight	22 kg (48 lb)
Shipping dimensions (W × D × H)	76.2 cm × 58.4 cm × 55.9 cm (30.0 in × 23.0 in × 22.0 in)
Shipping weight (with all items)	36.3 kg (80 lb)
Temperature range and accuracy	20 °C to 100 °C, ± 0.01 °C* * Test temperatures < 40 °C and high ambient temperature test environments require an optional bath cooler
Sample capacity	7
Bath height	12 in
Bath volume	17 L (4.5 gal)
Operating conditions	15 °C to 30 °C, 10% to 75% relative humidity (non-condensing), Installation Category II; Pollution Degree 2
Electrical specifications	120 VAC, 50/60 Hz; 240 VAC, 50/60 Hz; 1000 watts power consumption
Compliance	CE Mark; EMC directive (2004/108/EC); Low voltage directive (2006/95/EC); HI-POT (1900 VDC, 60 sec.); ROHS

CT-518 Series Constant Temperature Bath

***For Kinematic Viscosity from 20 °C to 100 °C
ASTM D445/D446, ISO 3104/3105***

The CT-518 series constant temperature bath accommodates viscometer tubes requiring a bath depth up to 18" and provides reliable temperature control from 20 °C to 100 °C . The unit accommodates up to 7 simultaneous viscosity determinations.

Dimensions (W × D × H)	40.7 cm × 36.2 cm × 76.2 cm (16 in × 14.25 in × 30 in)
Weight	22 kg (48 lb)
Shipping dimensions (W × D × H)	76.2 cm × 58.4 cm × 55.9 cm (30.0 in × 23.0 in × 22.0 in)
Shipping weight (with all items)	36.3 kg (80 lb)
Temperature range and accuracy	20 °C to 100 °C, ± 0.01 °C* * Test temperatures < 40 °C and high ambient temperature test environments require an optional bath cooler
Sample capacity	7
Bath height	18 in
Bath volume	23.8 L (6.3 gal)
Operating conditions	15 °C to 30 °C, 10% to 75% relative humidity (non-condensing), Installation Category II; Pollution Degree 2
Electrical specifications	120 VAC, 50/60 Hz; 240 VAC, 50/60 Hz; 1000 watts power consumption
Compliance	CE Mark; EMC directive (2004/108/EC); Low voltage directive (2006/95/EC); HI-POT (1900 VDC, 60 sec.); ROHS

CT-600 Series Constant Temperature Bath w/ Cooler

***For Kinematic Viscosity from 10 °C to 100 °C
ASTM D445/D446, ISO 3104/3105***

The CT-600 series constant temperature bath, with its external thermoelectric cooler, accommodates viscometer tubes requiring a bath depth up to 12" and provides reliable temperature control from 10 °C to 100 °C . The unit accommodates up to 7 simultaneous viscosity determinations.

Dimensions (W × D × H)	40.7 cm × 36.2 cm × 83.2 cm (16 in × 14.25 in × 32.8 in)
Weight	25.6 kg (56.5 lb)
Shipping dimensions (W × D × H)	76.2 cm × 58.4 cm × 55.9 cm (30.0 in × 23.0 in × 22.0 in)
Shipping weight (with all items)	36.3 kg (80 lb)
Temperature range and accuracy	10 °C to 100 °C, ± 0.01 °C
Sample capacity	7
Bath height	12 in
Bath volume	17 L (4.5 gal)
Operating conditions	15 °C to 30 °C, 10% to 75% relative humidity (non-condensing), Installation Category II; Pollution Degree 2
Electrical specifications	120 VAC, 50/60 Hz; 240 VAC, 50/60 Hz; 1000 watts power consumption
Compliance	CE Mark; EMC directive (2004/108/EC); Low voltage directive (2006/95/EC); HI-POT (1900 VDC, 60 sec.); ROHS

CT-1000 Extended Range Constant Temperature Bath

***For Kinematic Viscosity from 20 °C to 150 °C
ASTM D445/D446, ISO 3104/3105***

CT-1000 series constant temperature bath accommodates viscometer tubes requiring a bath depth up to 12" and provides reliable temperature control from 20 °C to 150 °C. The unit accommodates up to 7 simultaneous viscosity determinations.

Dimensions (W × D × H)	43.8 cm × 46.4 cm × 58.4 cm (17.25 in × 18.25 in × 23 in)
Weight	43 kg (95 lb)

Shipping dimensions (W × D × H)	61 cm × 50.8 cm × 109.2 cm (24 in × 20 in × 43 in)
Shipping weight (with all items)	56.7 kg (125 lb)
Temperature range and accuracy	20 °C to 100 °C, ± 0.01 °C 100 °C to 150 °C ±.03 °C * Test temperatures < 40 °C and high ambient temperature test environments require an optional bath cooler
Sample capacity	7
Bath height	12 in
Bath volume	17 L (4.5 gal)
Operating conditions	15 °C to 30 °C, 10% to 75% relative humidity (non-condensing), Installation Category II; Pollution Degree 2
Electrical specifications	120 VAC, 50/60 Hz; 240 VAC, 50/60 Hz; 1400 watts power consumption
Compliance	CE Mark; EMC directive (2004/108/EC); Low voltage directive (2006/95/EC); HI-POT (1900 VDC, 60 sec.); ROHS

CT-1000HT Extended Range Constant Temperature Bath

***For Kinematic Viscosity from 25 °C to 200 °C
ASTM D445/D446, ISO 3104/3105***

CT-1000HT series constant temperature bath accommodates viscometer tubes requiring a bath depth up to 12" and provides reliable temperature control from 25 °C to 200 °C. The unit accommodates up to 7 simultaneous viscosity determinations.

Dimensions (W × D × H)	43.8 cm × 46.4 cm × 58.4 cm (17.25 in × 18.25 in × 23 in)
Weight	43 kg (95 lb)
Shipping dimensions (W × D × H)	61 cm × 50.8 cm × 109.2 cm (24 in × 20 in × 43 in)
Shipping weight (with all items)	56.7 kg (125 lb)
Temperature range and accuracy	25 °C to 100 °C, ± 0.01 °C 100 °C to 200 °C ±.03 °C * Test temperatures < 40 °C and high ambient temperature test environments require an optional bath cooler
Sample capacity	7
Bath height	12 in
Bath volume	17 L (4.5 gal)
Operating conditions	15 °C to 30 °C, 10% to 75% relative humidity (non-condensing), Installation Category II; Pollution Degree 2
Electrical specifications	120 VAC, 50/60 Hz; 240 VAC, 50/60 Hz; 1400 watts power consumption
Compliance	CE Mark; EMC directive (2004/108/EC); Low voltage directive (2006/95/EC); HI-POT (1900 VDC, 60 sec.); ROHS

CT-2000 Extended Range Constant Temperature Bath

***For Kinematic Viscosity from 20 °C to 150 °C
ASTM D445/D446, ISO 3104/3105***

The microprocessor-controlled CT-2000 series constant temperature bath accommodates viscometer tubes requiring a bath depth up to 12" and provides reliable temperature control from 10 °C to 150 °C. The unit accommodates up to 7 simultaneous viscosity

Dimensions (W × D × H)	43.8 cm × 46.4 cm × 58.4 cm (17.3 in × 18.3 in × 23 in)
Weight	51.4 kg (113 lb)

Shipping dimensions (W × D × H)	61 cm × 50.8 cm × 109.2 cm (24 in × 20 in × 43 in)
Shipping weight (with all items)	56.7 kg (125 lb)
Temperature range and accuracy	10 °C to 100 °C, ± 0.01 °C 100 °C to 150 °C ± 0.03 °C * Test temperatures < 40 °C and high ambient temperature test environments require an optional bath cooler
Sample capacity	7
Bath height	12 in
Bath volume	17 L (4.5 gal)
Operating conditions	15 °C to 30 °C, 10% to 75% relative humidity (non-condensing), Installation Category II; Pollution Degree 2
Electrical specifications	100 - 130 VAC, 50/60 Hz; 200 - 250 VAC, 50/60 Hz; 1400 watts power consumption
Compliance	CE Mark; EMC directive (2004/108/EC); Low voltage directive (2006/95/EC); HI-POT (1900 V _{DC} , 60 sec.); ROHS
Data output	RS-232 and RS-485

DVR-1000/DVR-1500 Digital Vacuum Regulators

***For precise measurement and control of vacuum at 300 mm Hg below atmospheric pressure
ASTM D2171***

The DVR-1000 and DVR-1500 digital vacuum regulators provide precise measurement and control of vacuum at 300 mm Hg below atmospheric pressure. Vacuum set point can be altered to any value within the operation range of 28 mm Hg to 410 mm Hg below atmospheric pressure. Solid state component contain no hazardous mercury.

Dimensions (W × D × H)	Horizontal: 47 cm × 45.8 cm × 17.2 cm (18.5 in × 18 in × 6.75 in) Vertical: 17.2 cm × 47 cm × 45.8 cm (6.75 in × 18.5 in × 18 in)
Weight	20 kg (45 lb)
Shipping dimensions (W × D × H)	63.5 cm × 63.5 cm × 33 cm (25 in × 25 in × 13 in)
Shipping weight (with all items)	29.5 kg (65 lb)
Vacuum range & accuracy	28 mm Hg to 410 mm Hg below atmospheric pressure ± 0.5 mm Hg* * comes preset to 300 mm Hg below atmospheric pressure
Safety limit	746 mm Hg below atmospheric pressure
Operating conditions	15 °C to 30 °C, 10% to 75% relative humidity (non-condensing), Installation Category II; Pollution Degree 2
Electrical specifications	120 VAC, 50/60 Hz; 240 VAC, 50/60 Hz; 100 watts power consumption (without pump); 175 watts power consumption (with pump)
Compliance	CE Mark; EMC directive (2004/108/EC); Low voltage directive (2006/95/EC); HI-POT (1900 V _{DC} , 60 sec.); ROHS

TE-1500 Sub-Zero Constant Temperature Bath

***For Kinematic Viscosity from –30 °C to +10 °C
ASTM D445/D446, ISO 3104/3105***

The TE-1500 series constant temperature bath, with integrated thermoelectric cooling, accommodates viscometer tubes requiring a bath depth up to 12" and provides reliable temperature control from –30 °C to 10 °C. The unit accommodates up to 2 simultaneous viscosity determinations.

Dimensions (W × D × H) 37.5 cm × 42 cm × 62.0 cm (14.8 in × 16.5 in × 24.4 in) Weight 43.1 kg (95 lb) Shipping dimensions (W × D × H) **Box 1:** 50.8 cm × 53.3 cm × 53.3 cm (20 in × 21 in × 21 in)

Box 2: 58.4 cm × 48.3 cm × 68.6 cm (23 in × 19 in × 27 in) **Shipping weight (with all items):** **Box 1:** 25 kg (55 lb)
Box 2: 31.8 kg (70 lb) **Temperature range and accuracy:** -30 °C to 10 °C, ± 0.01 °C **Sample capacity:** 2 **Bath height:** 12 in
Bath volume: 2.5 L (0.66 gal) **Operating conditions:** 15 °C to 30 °C, 10% to 75% relative humidity (non-condensing),
Installation Category: II; **Pollution Degree:** 2 **Electrical specifications:** 100 VAC, 50/60 Hz; 120 VAC, 50/60 Hz; 240 VAC, 50/60 Hz; 1000 watts power consumption **Compliance:** CE Mark; EMC directive (2004/108/EC); Low voltage directive (2006/95/EC); HI-POT (1900 VDC, 60 sec.); ROHS

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