

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 determination.

Common Applications

- Formulated oil analysis
- Hydraulic oil analysis
- Additive analysis
- Base stock analysis

Dostmann P795 Dual Channel Digital Thermometer

For Highly Accurate and Precise Temperature Measurement

Product Features & Benefits

Highly accurate and precise temperature measurement

- Wide temperature range: $-200\text{ }^{\circ}\text{C}$ to $+850\text{ }^{\circ}\text{C}$
- Accuracy: $\pm 0.015\text{ }^{\circ}\text{C}$ from $-50\text{ }^{\circ}\text{C}$ to $+200\text{ }^{\circ}\text{C}$
- Resolution: $0.001\text{ }^{\circ}\text{C}$ from $-200\text{ }^{\circ}\text{C}$ to $+200\text{ }^{\circ}\text{C}$

Integrated SmartProbe technology

- Probes [sold separately] contain a unique NIST-traceable calibration code
- Meter automatically downloads calibration coefficients of connected probe

Versatile applicability

- Dual channel technology allows simultaneous display of two readings or a differential result
- Battery powered unit offers portability for field applications

User-friendly features

- USB interface for easy data download
- Large, easy to read, LCD display
- Internal memory logs up to 4,000 readings



Dostmann P795 Dual Channel Digital Thermometer

Ordering Information

Description	Part #
Dostmann P795 digital thermometer	61.5600

NOTE: Power pack, probes and product specific parts are ordered separately [see Probe Selection Chart below].

Accessories & Consumables

Description	Part #
External hanging bracket and screws	61.3817
Power pack	61.5604
Standard Probe	61.5601
Extended Probe	61.5603
O-rings [for CAV-2100]	61.331
O-rings [for CAV-2200]	61.3567
Reducer, 3/8 in to 1/4 in [for CAV-2200]	61.3566
Alignment jig [for CAV-2100]	61.3837
Thin Probe	61.5602
Thin probe adapter [for miniAV®-LT]	81.2885
Insert [for CMRV]	52.5083

Product Specifications

Dimensions [L x W x H]	20 cm x 9.3 cm x 4.4 cm [7.9 in x 3.7 in x 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 +200 °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

Probe Selection and Specification Chart

Probe	Probe Connector Type	Sheath Size [length x diameter]	Cable Size [m]	Product compatibility	Additional parts required
Standard Probe	8-pole 1/10 DIN 45326	37.5 cm x 0.6 cm	1.5	CANNON® Constant Temperature Baths CANNON® High Temp/High Shear Viscometer [HTHS] miniAV®, miniAV®-X miniPV®, mini PV®-X, miniPV®-H, miniPV®-HX miniQV®-X TE-BBR CAV 4.2	None
Extended Probe	8-pole 1/10 DIN 45326	63.0 cm x 0.6 cm	2.5	CAV-2100	Alignment jig; O-rings [2/fitting]
				CAV-2200	Reducer, 3/8 in -1/4 in; O-rings [2/fitting]
				PolyVISC®	None
Thin Probe	8-pole 1/10 DIN 45326	23.0 cm x 0.3 cm	1.5	CANNON® Mini-Rotary Viscometer [CMRV]	Insert
				miniAV®-LT	Thin probe adapter
				SimpleVIS®	None

CANNON Instrument Company® provides a variety of physical property testing equipment and consumables [vials, bath fluids, and reference materials] for your testing needs. To learn more, contact sales@cannoninstrument.com.



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