

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



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## 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
TESC Probe	61.5608
Spacer	17.5152

## 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	-200 °C to +850 °C
Accuracy	± 0.015 °C for -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	Add'l Parts Required
<b>Standard Probe</b>	8-pole 1/10 DIN 45326	37.5 cm x 0.6 cm	1.5	<ul style="list-style-type: none"> <li>• CANNON® Constant Temperature Baths</li> <li>• CANNON® HTHS High Temp/High Shear</li> <li>• CAV®4.2</li> <li>• miniAV®, miniAV®-X</li> <li>• miniPV®, miniPV®-X, miniPV®-H, miniPV®-HX</li> <li>• miniQV®-X</li> <li>• TE-BBR</li> </ul>	None
<b>Extended Probe</b>	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
<b>Thin Probe</b>	8-pole 1/10 DIN 45326	23.0 cm x 0.3 cm	1.5	• CANNON® CMRV Mini-Rotary Viscometer	Insert
				• miniAV®-LT	Thin probe adapter
				• SimpleVIS®	None
<b>TESC Probe</b>	8-pole 1/10 DIN 45326	14.5 cm x 0.15 cm	1.5	<ul style="list-style-type: none"> <li>• TESC-2983</li> <li>• TESC-5133</li> </ul>	Spacer

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](mailto:sales@cannoninstrument.com).



2139 High Tech Road | State College | PA | 16803  
800-676-6232 | 814-353-8000 | Fax 814-353-8007

[sales@cannoninstrument.com](mailto:sales@cannoninstrument.com) | [cannoninstrument.com](http://cannoninstrument.com)