

The handheld Densi-H is CANNON's most affordable instrument for measuring density and specific gravity. Lightweight and portable, Densi-H offers easy, one button operation and reports results in seconds. Densi-H operates on the oscillating tube principle.

#### Common Applications

- Petrochemicals  
(solvents, fuels, fuel oils, lubricants, crude oil)
- Chemicals
- Food and beverages
- Battery acid tests
- Electroplating and photo
- Pharmaceuticals
- Cosmetics

# Densi-H

## Handheld Density/Specific Gravity Meter

For On-site Measurement of Density, Specific Gravity and API Degrees  
ASTM D7777

### Product Features & Benefit

#### Precision and accuracy in a portable, handheld design

- Lightweight oscillation-type densitometer provides density, specific gravity and API degrees, Brix, % Alcohol, % H<sub>2</sub>SO<sub>4</sub>, °Baume, °Plato, Proof
- Clearly visible measurement cell allows user to easily identify air bubbles or impurities
- User selects temperature correction coefficient before each measurement
- Built-in API tables (product groups A, B and D) allow API compliant measurement for quality control of crude oil, gasoline, petroleum products and lubricants (ASTM D7777)
- Operates on 2 AAA batteries

#### Simple, automated operation

- Easy, one button operation replaces manual hydrometer methods and delivers results in seconds
- Replaces 4 complete sets of hydrometers (w/w%, v/v%, US proof, UK proof)
- Specific gravity is automatically calculated based on the density of water at the measurement temperature
- Backlit dot matrix display features large digits, plain language instructions and an easy-to-navigate user interface
- The instrument features user friendly pictogram-labeled keys

#### Versatile

- Results transferred to a printer or computer using the optional infrared/RS-232 adapter and software
- Adjustable sampling speed allows user to tailor to application needs
- Internal memory stores up to 1,100 results including sample identification, measurement unit, temperature correction coefficient, instrument identification, date and time
- External syringe connection for use with samples of very high viscosity or samples that degas easily



# Densi-H Handheld Density/Specific Gravity Meter

## Ordering Information

Densi-H Handheld Density/Specific Gravity Meter includes the handheld densitometer, carrying case, cleaning cloths, density standards, 50mL plastic sample bottles [2], transfer pipettes [2], AAA-batteries [2] and operating instructions.

Description	Part #
Densi-H Handheld Density Meter, battery powered	9726-P20

## Accessories & Consumables

Description	Part #
Protective boot cover for Densi-H	95.2016
Infrared/RS232 adapter for Densi-H [for data transfer to a computer or printer]	95.2012
Density standards for Densi-H [6 mL @ x 10]	95.2001
Cleaning tissues for Densi-H [10]	95.2002
LabX Direct software CD	95.2013
50 mL plastic vial with screw cap for Densi-H [each]	95.2014
Transfer pipette LD-PE for Densi-H [each]	95.2015

## Replacement Parts

Description	Part #
External syringe adapter for Densi-H	95.2000
Screw plug [external syringe] for Densi-H	95.2008
Densi-H sample tube w/ washer 0 3/2 mm, L=30 cm	95.2003
Fixing screw for Densi-H sample tube	95.2004
Densi-H sample pump, complete	95.2005
O-ring for Densi-H sample pump [each]	95.2006
Densi-H sample pump cover	95.2011
Densi-H battery compartment cover	95.2009
Packing for Densi-H battery compartment cover [2 pieces]	95.2010
Densi-H battery compartment	95.2007

## Product Specifications

Dimensions [W x D x H]	7.6 cm x 12.7 cm x 25.4 cm [3 in x 5 in x 10 in]	
Weight	0.36 kg [0.8 lb]	
Test range & accuracy	Density	0 g/cm <sup>3</sup> to 2 g/cm <sup>3</sup> ± 0.001 g/cm <sup>3</sup>
Resolution	Density	0.0001 g/cm <sup>3</sup>
	Temperature	0.01°C
Temperature range & accuracy	5 °C to 35 °C ± 0.1 °C	
Operating conditions	-20 °C to 70 °C, <85% relative humidity [non-condensing]	
Electrical specifications	Battery powered [2 AAA batteries]	
Data output	Infrared/RS-232	

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).



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