



Digital Refractometers



DRFHUP-320, \$525, shown close to actual size.

DRFH450
\$525
All Models



- ✓ Powers Off after 3 Minutes of Non-Use
- ✓ °C/°F Conversion
- ✓ Low-Voltage Alarm
- ✓ Automatic Temperature Compensation
- ✓ Temperature and Refraction Measurements
- ✓ Easy Pushbutton Calibration

All water-based solutions can make light bend, a process known as refraction. The rate at which light bends is in direct proportion to the solution concentration. A refractometer is an instrument that measures the concentration of an aqueous solution by calculating its refractive index. Refractometers are used throughout the food, agriculture, chemical, and manufacturing industries.

OMEGA®'s DRFH450 Series handheld digital refractometers are lightweight, precise optical instruments that can determine the refractive index in only a few drops of solution. These refractometers are suitable for a wide range of measurement applications, including Brix scale, alcohol, propylene glycol, protein in serum, salinity, Baumé scale, industrial fluids, and specific gravity.



Specifications

Dimensions:
185 H x 59 W x 45 mm D
(7 x 2 x 2")
Weight: 230 g (0.5 lb)
Power: 9 V battery
Temperature Measurement:
0 to 40°C (32 to 104°F)
Temperature Accuracy:
±1°C (2°F)
Temperature Resolution:
0.1°C/°F
Temperature Compensation Range:
0 to 35°C (32 to 90°F)
Storage Temperature:
-10 to 50°C
(14 to 122°F)
Readings per Battery: About 1500



DRFHUP-320 in case, \$525, shown smaller than actual size.

Handheld Digital Refractometers

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)					
Model Number	Price	Scale	Range	Accuracy	Resolution
DRFH45-121	\$525	Brix or reference index	0 to 45% or 1.333 to 1.410	±0.2%	0.1
DRFH450	525	Brix	0 to 45%	±0.2%	0.1
DRFHUP-320	525	Urine SP G. or serum P	1.000 to 1.050 or 0 to 12 g/dL	±0.001 or 0.1	0.001 or 0.1

Comes with suction tube, carrying case and operator's manual.
Ordering Example: DRFH450, digital refractometer for Brix range 0 to 45% with ATC, \$525.

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Your One-Stop Source for Process Measurement and Control!

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• pH and Conductivity

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• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters