

WATERPROOF HANDHELD CONDUCTIVITY/ TDS/RESISTIVITY/SALINITY AND TEMPERATURE METERS

Model CDH-420

\$965

- ✓ Microprocessor-Based
- ✓ Waterproof Design to IP66, Instrument, Cable and Sensor
- ✓ High Resolution LCD Graphic Display
- ✓ Logging Facility for 100 Data Points
- ✓ Optional Infrared RS-232 Cradle PC Connection & Software
- ✓ Six Language Display Options

The CDH-420 conductivity/TDS/resistivity and temperature meter is a rugged, fully waterproof handheld meter suitable for use in industrial plants and job sites with harsh environments. The meter is also well suited for use in the laboratory. Built to meet IP66 waterproof design standards, the meter will actually float if accidentally dropped into water.

The unit combines a fully sealed tactile keypad and menu-driven operation for mode selection, diagnosis and measurement routines, to provide full flexibility and ease of use. The setup menu allows access to all user-defined options. The menu is three-tiered, allowing for set-up of calibration parameters, instrument parameters such as language (English, French, German, Italian, Spanish or Swedish), temperature and auto shut-off time delay.

The CDH-420 will simultaneously display temperature, conductivity, TDS or resistivity values. The meter can also store up to 100 data points and recall these onto the instrument's display. In addition, the user has the option of downloading test results to a PC using the unit's integral bi-directional RS-232 infrared link with optional interface cradle.

The CDH-420 is supplied complete with waterproof meter, waterproof sensor, batteries and complete operator's manual.



Shown Smaller
Than Actual Size



SPECIFICATIONS

Conductivity:
 Range Resolution
 0 to 199.9 mS 0.1 mS
 0 to 19.99 mS 0.01 mS
 0 to 1.999 mS 0.001 mS
 0 to 199.9 μ S 0.1 μ S
 0 to 19.99 μ S 0.01 μ S
Accuracy: $\pm 0.5\%$ ± 2 digits

TDS
 Range Resolution
 0 to 200 g/l 0.1 g/l
 0 to 20 g/l 0.01 g/l
 0 to 2000 mg/l 1 mg/l
 0 to 200 mg/l 0.1 mg/l
 0 to 20 mg/l 0.01 mg/l
Accuracy: $\pm 0.5\%$ ± 2 digits

Resistivity:
Range: 0 to 20 M Ω
Resolution: 0.01 M Ω
Accuracy: $\pm 0.5\%$ ± 2 digits

TEMPERATURE

Range: -10 to 105°C (14 to 221°F)

Resolution: 0.1°C (1°F)

Accuracy: ±0.5°C (±1°F)

SALINITY

Range: 0 to 99.9

Resolution: 0.1

Accuracy: 0 to 35°C (32 to 95°F) ±1°;

35 to 99.9°C (35 to 212°F),

±3° of reading

ATC: 0 to 100°C (32 to 212°F)

Cell Constant:

Digitally settable 0.015 to 19.99

Reference Temperature:

18, 20, 25°C (64, 68, 77°F)

Temperature Coefficient:

0.00 to 4.00%/°C linear

Probe(s): 4-plate configuration

Power: 3 AA batteries

Auto-Power Off:

Keypad selectable 15, 30, 45 or

60 min, or permanently on

Multilingual Display:

Programmable for English, French, Spanish, German, Italian or Swedish

Clock:

24-hour, hr/min/sec or day of month,

month and year and leap year corrected

RS232 Interface: Integral bi-directional

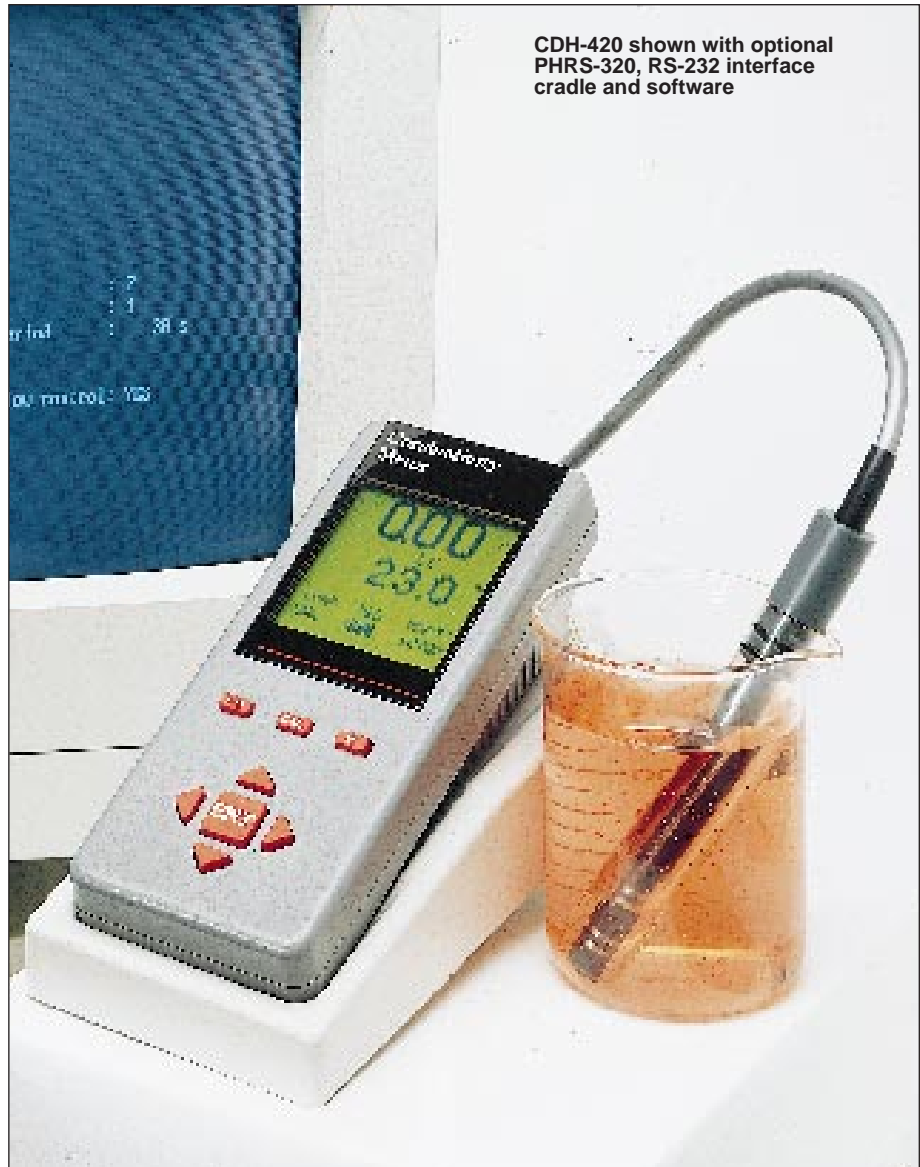
infrared link. Needs optional

PHRS-320 cradle and software

Size: 200 L x 80 W x 60 mm D

(7.9 x 3.1 x 2.4")

Weight: 370 g (13 oz)



CDH-420 shown with optional PHRS-320, RS-232 interface cradle and software



To Order (Specify Model Number)

Model No.	Price	Description
CDH-420	\$965	Waterproof meter and sensor
CDE-420-RP	208	Replacement conductivity cell constant K = 1.0

Ordering Example: CDH-420, waterproof conductivity meter and probe, and PHRS-320, RS-232 cradle and software, \$965 + 208 = \$1173

Optional Accessories

Model No.	Price	Description
PHRS-320	\$245	RS-232 cradle and software



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1-800-TC-OMEGA
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• Temperature

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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• 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