



BENCHTOP pH AND CONDUCTIVITY METERS

2 YEAR WARRANTY
Electronics Only



CDB-430

\$1595

- ✓ **Precise Readings of pH and Conductivity**
- ✓ **Automatic Temperature Compensation**
- ✓ **Analog and RS-232 Outputs**
- ✓ **Membrane Keypads**
- ✓ **No Interference Between pH and Conductivity**

The CDB-430 measures both conductivity and pH. The meter benefits from an LCD graphics display that permits conductivity, pH and temperature to be displayed simultaneously.

The CDB-430 utilizes separate conductivity and pH sensors which may be used together or

independently. All readings are compensated automatically for the appropriate temperature coefficient. A separate temperature input enables the use of alternative conductivity and pH electrodes while maintaining accurate compensation.

**Conductivity and TDS Ranges
for the
CDB-430**
** K = 10 cell only*

Conductivity	TDS
*0 - 19.99 S	0 - 1999 g/l
*0 - 1.999 S	0 - 199.9 g/l
0 - 199.9 mS	0 - 19.99 g/l
0 - 19.99 mS	0 - 1.999 mg/l
0 - 1.999 mS	0 - 199.9 mg/l
0 - 199.µS	0 - 19.99 mg/l
0 - 19.99 µs	
0 - 1.999 µs	

SPECIFICATIONS

	Conductivity:	pH	Temperature	Salinity
Ranges:	0 to 1.999 S 0 to 19.99 S with x 10 cell 0 to 1999 g/l 0 to 20 Mohms	-2 to 19.999 pH -1999.9 to 1999.9 MV	-10 to 105°C 14 to 221°F	0 to 99.9
Resolution:	0.001µs to 0.001S 0.001mg/l to 1g/l 0.01Mohms	0.1/0.01/0.001 pH 1 mV/ 0.1 mV	0.1°C/°F	0.1°C
Temp Inputs:	0	0	2	0
Accuracy:	±0.5% ±2 digits ±2% ±2 digits on Input Impedence: >1013 Ohms	±0.003 pH ±0.2 mV ATC Range: 0-100°C (32 to 212°F)	0.1°C/°F ±0.5°C (1°F)	0 to 35 (32 to 95°F) ±1 35 to 99.9 (95 to 212°F) ±3

Outputs:

Bi-Directional RS-232C
Analog output
Karl Fisher sockets
Hi/Lo Alarm Outputs open
collector 0.5 A 50 Vdc Max
Electrode platinizing socket
applying 10 Vac 0.05 Hz

Stirrer Speed: 0 to 100%

Alarm Points:

0-19.99 s, 0-1999 g/l,
-2 to 19.999 pH, 1999.9 mV

GPL: Calibration reminder with
an interval of 1 to 999 hours
from last calibration Timed
Printout with an interval from
1 second to 1 day
End point suppress time from
0 second to 1 hour

Display: LCD graphics

Power: Power supply 9 Vac

Size:

275 L x 240 W x 150 D mm
(10.8 x 9.4 x 5.9")

Weight: 4.5 kg (10 lb)

To Order: (Specify Model Number)

Model No.	Price	Description
CDB-430	\$1595	Benchtop pH and conductivity meter with glass conductivity cell, in-built ATC (K=1), general purpose glass pH electrode, Swing arm electrode holder, pH 4 and 7 buffer capsules and power supply

Ordering Example: CDB-430, benchtop pH and conductivity meter with glass conductivity cell, in-built ATC (K=1), general purpose glass electrode (available separately as PHE-430), swing arm electrode holder, pH 4 and 7 buffer capsules and power supply, \$1595

Accessories

To Order: (Specify Model Number)

Model No.	Price	Description
PHAT-320	\$86	Temperature probe
PHE-430	70	General purpose glass pH electrode
PHE-430-D	80	Double junction glass pH electrode
PHE-4202	62	Double junction pH probe
CDE-430-1	156	Conductivity glass cell (K=1) with in-built temperature probe
CDE-430-01	165	Conductivity glass cell (K=0.1) with in-built temperature probe
CDE-430-1-FT	165	Conductivity cell (K=1) flow thru, with in-built temperature probe
CDE-430-1-EP	201	Conductivity cell (K=1) epoxy, with in-built temperature probe
CDE-430-01-EP	218	Conductivity cell (K=0.1) epoxy with in-built temperature probe
CDE-430-10-EP	218	Conductivity cell (K=10) epoxy with in-built temperature probe

Ordering Example: CDE-430-1, conductivity cell K=1 with in-built temperature probe, \$156



UNITED STATES

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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