

Colorado Series

Portable Electrochemistry Meters



Colorado Meters

Portable meters made easy to use with dependable results in field or laboratory environments

Colorado Portable Meters offer accurate measurements anytime, anywhere.

Grab and Go. Ergonomically designed to fit either hand. Compact and lightweight for travel. Durable housing withstands the rigors of field use. IP-65 rating for complete protection from dust and water projection.

Straightforward Functionality. Simple four key operation. Large display clearly shows measurement. Simultaneously, displays the measurement value and temperature reading (with optional ATC). Basic single press calibration routine. Battery icon indicates battery life. Buttons emit audio feedback.

Dependable measurements. Easy 1-2-3 standardization for the most accurate measurements. Automatic standards recognition and electrode efficiency check. Automatic temperature compensation with optional ATC or temperature can be set manually. Stability icon for stable readings.

Effortless Features. Simple 3 point buffer calibration in pH mode with automatic buffer recognition (Model CR-10) Toggle between pH and mV (Model CR-10). Toggle between compensated/uncompensated conductivity, salinity or total dissolved solid (TDS) (Model CR-30).



Colorado Portable Meter Kits. Choose a kit for your application needs.

- CR-10 P includes meter, 4 AA batteries, 301560.1 low maintenance plastic body, gel filled pH/ATC electrode.
- CR-30C includes meter, 4 AA batteries, C2BK1 Conductivity 1.0 cm cell with a measuring range 1.0 - 200,000 $\mu\text{S}/\text{cm}$ and a optimal range 200 - 2,000 $\mu\text{S}/\text{cm}$.

Meters Only include: meter, 4 AA batteries and operation manual

Colorado Features Include:

- Easy one-button press calibration
- Up to 3 point standardization
- Electrode efficiency check
- Automatic buffer recognition
- Automatic temperature compensation with optional ATC
- Large display for clear readings
- BNC and DIN connectors to support standard electrodes

Colorado Handheld Portable Meters

Perfect for field, industrial, food production, and educational settings.

Colorado Portable Additional Features.

Meters are ergonomically designed to fit comfortably in either hand. Water resistant with IP-65 rating allowing the meter to be fully rinsed and protected in low pressure water environments. Perfect for field use, using battery saving icon.



CR-10P

Modes: pH/mV/Temperature
 Inputs: 1 BNC/1 ATC

CR-30C

Modes: Conductivity/Temperature
 Inputs: 1 multi-pin Conductivity/ 1 ATC

Meters Kits

CR-10 P includes meter, 4 AA batteries, 301560.1 low maintenance plastic body, gel filled electrode with ATC.

CR-30C includes meter, 4 AA batteries, C2BK1 Conductivity 1.0 cm cell with a measuring range 1.0 - 200,000 $\mu\text{S}/\text{cm}$ and an optimal range 200 - 2,000 $\mu\text{S}/\text{cm}$.

Meters Only include: meter, 4 AA batteries and operation manual



	CR-10	CR-30
Modes	pH/mV/Temp	Conductivity/Temp/TDS/Salinity
pH range	-2.00 to 16.00	—
pH resolution	0.01	—
pH accuracy	± 0.01	—
Automatic Temperature range	-10.0 to 120.0°C	-10.0 to 120.0°C
Manual Temperature range	-5.0 to 90.0°C	-5.0 to 90.0°C
Temperature resolution	0.1°C	0.1°C
Temperature accuracy	$\pm 0.5^\circ\text{C}$	$\pm 0.5^\circ\text{C}$
mV range	-1999 to 1999	—
mV resolution	1.0	—
mV accuracy	$\pm 0.2 < 1000 \text{ mV}$; $\pm 1 > 1000 \text{ mV}$	—
Relative mV	No	No
Conductivity range	—	0 to 200,000 μS^*
Conductivity resolution	—	0.01 $\mu\text{S}/\text{cm}$ to 1.0 mS/cm
Conductivity accuracy	—	$\pm 0.5\%$ max. value of subrange
Salinity range	—	0.0 to 70 ppt*
Total dissolve solids (TDS) range	—	0.0 to $1 \times 10^5 \text{ mg}/\text{L}^*$
Temperature coefficient	—	0.0 to 4%/°C
TDS Factor	—	0.3 to 1.0 (0.5 default)
DI Part No. (Kits)	CR10P.0	CR30C1.0
DI Part No. (Meter Only)	CR10A.0	CR30A.0

*depends on the nominal
 K constant of the sensor in use

Common Specifications:

Net weight: 0.6 lb (0.3 kg) without batteries
 Dimensions (LxWxH): 9.0 x 3.0 x 1.0" (228 x 76 x 25mm)
 Power requirements: 4 AA batteries (included)

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