

DR300 Pocket Colorimeter

Applications

- Drinking Water
- Wastewater
- Power
- Industrial Water
- Field Use
- Beverage
- Food QC Lab



Proven past. Innovative future.

The DR300 maintains the Pocket Colorimeter legacy of reliability while providing state-of-the-art data transfer capability and connection to Claros*. Reduce data collection hassles, eliminate transcription errors, and ensure stronger compliance traceability.

Connected*

Optional Bluetooth connectivity allows you to safely transfer measurement data to Claros – Hach®'s Water Intelligence System – reducing errors and saving time by eliminating manual data entry.

Reliable

Rugged, waterproof (IP67) design withstands whatever conditions you encounter in the field (drops, extreme temperatures, rain and dirt) and still delivers years of dependable, accurate measurements.

Simple

Simple, intuitive operation reduces potential manual error, ensuring accurate measurement data you can trust, time after time. Larger display with improved backlight makes reading measurements in all conditions even easier.

*Claros connectivity currently available only in US, Canada and EU.

Technical Data*

Source Lamp	Light emitting diode (LED)
Detector	Silicon photodiode
Enclosure Rating	IP67, waterproof at 1 m for 30 minutes
Wavelength	As specified by model, ± 2 nm
Spectral Bandwidth	15 nm filter bandwidth
Absorbance	0 - 2.5 Abs
Sample Cell Compatibility	1 cm (10 mL), 25 mm (10 mL)

Operating Conditions	0 - 50 °C (32 - 122 °F); 0 - 90% relative humidity (non-condensing)
Display	LCD with backlight
Power Supply	Four AAA alkaline batteries; approximate life is 5000 tests
Data Logger	Last 50 measurements
Weight	0.25 kg (0.55 lbs.)
Dimensions (H x W x D)	34 mm x 69 mm x 157 mm

*Subject to change without notice.

Parameters

Parameter	Range	Measurement Method
Aluminum	0.02 - 0.80 mg/L Al	Aluminon
Ammonia	0.01 - 0.80 mg/L $\text{NH}_3\text{-N}$	Salicylate
Bromine	0.05 - 4.50 mg/L Br_2 0.2 - 10.0 mg/L Br_2	DPD
Chlorine, free¹⁾ + total^{1), 2)}	0.02 - 2.00 mg/L Cl_2 0.1 - 8.0 mg/L Cl_2	DPD
Chlorine, free¹⁾ + total^{1), 2)}, MR	0.05 - 4.00 mg/L Cl_2 0.1 - 10.0 mg/L Cl_2	DPD
Chlorine, pH	0.1 - 10.0 mg/L Cl_2 6.0 - 8.5 pH	DPD Phenol Red
Chlorine dioxide	0.05 - 5.00 mg/L ClO_2	DPD/Glycine
Iron, Ferrover²⁾	0.02 - 5.00 mg/L Fe	Ferrover
Iron, TPTZ	0.01 - 1.70 mg/L Fe	TPTZ
Manganese, HR²⁾	0.2-20.0 mg/L Mn	Periodate Oxidation
Molybdenum	0.02 - 3.00 mg/L Mo 0.1 - 12.0 mg/L Mo	Ternary Complex
Monochlor/Free Ammonia	0.04 - 4.50 mg/L Monochloramine as Cl_2 0.02 - 0.50 mg/L Free Ammonia as $\text{NH}_3\text{-N}$	Indophenol
Nitrate	0.4 - 30.0 mg/L $\text{NO}_3\text{-N}$	Cadmium Reduction
Oxygen, dissolved	0.2 - 10.0 mg/L O_2	HRDO
Ozone	0.01 - 0.25 mg/L O_3 0.01 - 0.75 mg/L O_3	Indigo Trisulfonate
Phosphate^{1), 2)}	0.02 - 3.00 mg/L PO_4	Phosver 3
Zinc²⁾	0.02 - 3.00 mg/L Zn	Zincon

¹⁾Method is USEPA accepted or approved for drinking water (additional steps may be required)

²⁾Method is USEPA accepted or approved for wastewater (additional steps may be required)

Note: Phenol Red colorimetric pH measurement is not accepted for regulatory reporting