DR300 Pocket Colorimeter

LENNTECH
Water Treatment Solutions



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.*

HACH®
Be Right™

Technical Data*

Source lamp	Light emitting diode (LED)
Detector	Silicon photodiode
Enclosure waterproof 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; 0 - 90% relative humidity (non-condensing)
Display	LCD with backlight
Power supply	Four AAA alkaline batteries; approximate life is 5000 tests
Data storage	Last 50 measurements
Weight	0.25 kg
Dimensions (H x W x D)	34 mm x 69 mm x 157 mm

**Subject to change without notice.*

Parameters

Parameter	Measuring range	Measurement method
Aluminium	0.02 - 0.80 mg/L Al	Aluminon
Ammonium	0.01 - 0.80 mg/L NH_3-N	Salicylate
Bromine	0.05 - 4.50 mg/L Br_2 0.2 - 10.0 mg/L Br_2	DPD
Chlorine, free[1)] + total[1), 2)]	0.02 - 2.00 mg/L Cl_2 0.1 - 8.0 mg/L Cl_2	DPD
Chlorine, free[1)] + 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, Ferrover[2)]	0.02 - 5.00 mg/L Fe	Ferrover
Iron, TPTZ	0.01 - 1.70 mg/L Fe	TPTZ
Manganese, HR[2)]	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
Monochloramine/Free Ammonium	0.04 - 4.50 mg/L Monochloramine as Cl_2 0.02 - 0.50 mg/L Free Ammonia as NH_3-N	Indophenol
Nitrate	0.4 - 30.0 mg/L NO_3-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
Zinc[2)]	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)

Order Information

DR300 Pocket Colorimeters

The DR300 Pocket Colorimeter includes manual, sample cells, and a carrying case. Reagents can be purchased by contacting Hach or your Hach distributor.

LPV445.99.00110 DR300 Pocket Colorimeter, Chlorine, Free + Total
LPV445.99.01110 DR300 Pocket Colorimeter, Bromine
LPV445.99.02110 DR300 Pocket Colorimeter, Nitrate
LPV445.99.03110 DR300 Pocket Colorimeter, Dissolved Oxygen
LPV445.99.04110 DR300 Pocket Colorimeter, Ozone
LPV445.99.06110 DR300 Pocket Colorimeter, Phosphate
LPV445.99.09110 DR300 Pocket Colorimeter, Zinc
LPV445.99.10110 DR300 Pocket Colorimeter, Molybdenum, LR/HR
LPV445.99.12110 DR300 Pocket Colorimeter, Chlorine & pH
LPV445.99.15110 DR300 Pocket Colorimeter, Manganese, HR
LPV445.99.16110 DR300 Pocket Colorimeter, Iron, TPTZ
LPV445.99.22110 DR300 Pocket Colorimeter, Iron, Ferrover
LPV445.99.25110 DR300 Pocket Colorimeter, Aluminium
LPV445.99.26110 DR300 Pocket Colorimeter, Monochloramine/Free Ammonium
LPV445.99.40110 DR300 Pocket Colorimeter, Ammonium
LPV445.99.51110 DR300 Pocket Colorimeter, Chlorine Dioxide
LPV445.99.62110 DR300 Pocket Colorimeter, Chlorine, Free + Total, MR

Wavelength-specific DR300 Pocket Colorimeters

Program custom methods and calibrations on two channels.

LPV445.99.50110 DR300 Pocket Colorimeter, 500 nm
LPV445.99.52110 DR300 Pocket Colorimeter, 528 nm
LPV445.99.60110 DR300 Pocket Colorimeter, 600 nm
LPV445.99.65110 DR300 Pocket Colorimeter, 655 nm







Order Information

Accessories

2635300	SpecCheck secondary gel standard kit, LR Chlorine, DPD, 0-2.0 mg/L Cl_2
2893300	SpecCheck secondary gel standard kit, Chlorine, DPD, 0-8.0 mg/L Cl_2
2507500	SpecCheck secondary gel standard kit, Monochloramine/Free Ammonium, 0-4.50 mg/L Cl_2, 0-0.50 mg/L NH_3-N
2708000	SpecCheck secondary gel standard kit, Ozone, 0-0.75 mg/L O_3
4674300	Batteries, AAA, Alkaline, 1.5 V, pk/4
4660200	Multitest kit case (22 x 17 x 15 cm), blue polypropylene
2427606	Sample cell, 1 inch round glass, 6 pcs
4864302	Sample cell, 1 inch round polystyrene, 2 pcs
2126102	Sample cell, 1cm round, pk/2 (unmatched, caps not included)

SpecCheck Ampule Standards are coloured gels that simulate the colour produced by the analytical procedure, for simple checks on instrument response. Each set includes a blank and three concentrations.

Be confident with Hach Service

Service Agreement: Hach provides on-site and in-factory repair, preventive maintenance, and calibration programs for your instruments to ensure reliability and instrument up-time. We have services to fit your specific needs.

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LENNTECH
Water Treatment Solutions
info@lenntech.com Tel. +31-152-610-900
www.lenntech.com Fax. +31-152-616-289