

SMART2 Water Analysis Laboratory

110V Order Code 1951-01

220V Order Code 1951-01EX2

Reagent Refill R-1951

Measure 24 water quality parameters with this versatile portable lab!

- analyzes test sample color and provides direct readouts for 15 factors
- Direct Reading Titrators provide results for 6 additional factors directly in ppm
- includes digital meters to measure pH, conductivity and TDS

The SMART² Colorimeter is programmed to provide direct readouts for over 80 factors using optional reagent packages.

Direct Reading Titrator Tests

Factor	Test Method	Range (# Test)
Alkalinity	Neutralization	0-200 ppm (50 at 200 ppm)
Carbon Dioxide	Neutralization	0-50 ppm (50 at 50 ppm)
Chloride/Salinity	Argentometric	0-200 ppm (50 at 200 ppm)
Dissolved Oxygen	Winkler Method	0-10 ppm (50 at 10 ppm)
Hardness (Calcium, Magnesium, & Total)	Complexometric	0-200 ppm (50 at 200 ppm)

Meters

Factor	Code	Model	Range
pH	5-0034	pH5	pH 0-14
Conductivity	5-0038-01	CON6 CON6	0-1999 μ S/cm 2.00-19.99 mS
Colorimeter	1919	SMART2	See chart

SMART2 Colorimeter Tests

Factor	Test Method	Range (# Test)
Ammonia-Nitrogen	Nesslerization	0-4.0 ppm (50)
Chlorine	DPD	0-4.0 ppm (100)
Bromine	DPD	0-9 ppm (100)
Iodine	DPD	0-14 ppm (100)
Chromium (Hexavalent)	Diphenylcarbohydrazide	0-1.0 ppm (100)
Copper	Diethyldithiocarbamate	0-6.0 ppm (100)
Fluoride	SPADNS	0-2.0 ppm (50)
Iron	Bipyridyl	0-6.0 ppm (50)
Nitrate-Nitrogen	Cadmium Reduction	0-3.0 ppm (20)
Nitrite-Nitrogen	Diazotization/Coupling	0-0.8 ppm (20)
Phosphate	Ascorbic Acid Reduction	0-3.0 ppm (50)
Silica	Heteropoly Blue	0-4.0 ppm (50)
Sulfate	Barium Chloride	0-100 ppm (50)
Sulfide	Methylene Blue	0-3.0 ppm (50)
Turbidity	Absorption (no rgts)	0-400 NTU (∞)



Also Available

SMART2 Colorimeter
Lab without pH, Cond.
Meters
Order Code 1991

Reagent Refill
Order Code R-1951