## YSI 900 Chlorine Colorimeter

### Single Parameter Colorimeter for Total and Free Chlorine

The 900 Chlorine colorimeter is the newest addition to YSI's line of colorimeters. This rugged, waterproof, single parameter colorimeter for Total and Free Chlorine is ideal for laboratory and field testing.

The 900 instrument features a large, backlit display, a real time clock, automatic data logging as well as the ability to export data to a computer or printer using the 900 Series Data Hub for infrared data transfer.

- Quickly, easily and accurately measure Free and Total Chlorine

- Automatic Data Storage; 16-data sets with date and time stamp. Export data with the 900 Series Data Hub infrared data transfer.

- Large, easy to read backlit LCD display

- IP68 waterproof case; easy to hold or set on a benchtop

- Innovative light shield avoids moving parts or separate pieces that can easily be broken or lost.

- User-calibration to any government or organizational standard (for example N.I.S.T. or ISO).

- Resolution can be improved for specific range requirements

- 2-year warranty

**Parameters:**

Chlorine (Free or Total)

The 900 is an ideal solution for quick, simple, accurate chlorine measurements.

### YSI 900 Series Data Hub

- Infrared data transfer
- Easily connects to a PC, USB printer or serial printer
- Data can easily be saved in Excel or as a .txt file
- Includes software to easily start transferring your data from the 900 Chlorine instrument
- Simply bring your instrument near the Data Hub to transfer your data and move on to conducting more measurements

YSI.com/900

## 900 Chlorine Colorimeter General Specifications

| | |
|---|---|
| Power Supply | 4 alkaline AAA batteries; approximately 17 continuous hours or 5,000 tests |
| Auto Shutoff | 20 minutes after last key press; audible signal |
| Operating Range | 5° to 40°C (41° to 104°F); 30-90% relative humidity |
| Display | Backlit LCD |
| Memory Capacity | 16 data sets with date and time stamp; automatic |
| Weight | 260 g (0.5 lbs) |
| Dimensions | 15.9 L x 7.6 W x 3.8 H cm (6.1 L x 3 W x 1.5 H in) |
| Interfaces | Infrared interface with the 900 Series Data Hub (optional) for data transfer |
| Operation | Acid/solvent resistant case; touch-sensitive keypad with audible feedback; factory calibrated; user calibration possible; reset to factory cal |
| Certifications | CE; IP68 waterproof rating (1 hour at 0.1 meter); floats |
| Colorimetric Resolution | 0.01 A (absorbance) |
| Photometric Accuracy* | 3% FS (T = 20° to 25°C) (68° to 77°F) |
| Wavelength Accuracy | ±1 nm |
| Warranty | 2 year |
| Optics | LEDs, interference filter (IF) and photo sensor in a transparent chamber. 1 interference filter |
| | Wavelength Range: 530 nm IF $\triangle \lambda$ = 5 nm |

## 900 Chlorine Colorimeter Technical Specifications

| | | |
|---|---|---|
| Chlorine Free | Range | 0.02 to 2.0 mg/L |
| | Method | DPD - Free Chlorine Reagent |
| | λ | 530 |
| Chlorine Total | Range | 0.1 to 8.0 mg/L |
| | Method | DPD - Total Chlorine Reagent |
| | λ | 530 |

## 900 Chlorine Colorimeter Ordering Information (order items separately)

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|---|---|---|
| 250900Y | Model 900 colorimeter for Free or Total Chlorine | |
| 251401Y | Chlorine, Free reagent, powder, 10 mL, pack of 100 | 0.02 to 2.00 mg/L or 0.1 to 8.0 mg/L using two packs |
| 251401LP1Y | Chlorine, Free reagent, powder, 10 mL, pack of 1000 | 0.02 to 2.00 mg/L or 0.1 to 8.0 mg/L using two packs |
| 251414Y | Chlorine, Total reagent, powder, 10 mL, pack of 100 | 0.02 to 2.00 mg/L |
| 251414LP1Y | Chlorine, Total reagent, powder, 10 mL, pack of 1000 | 0.02 to 2.00 mg/L |
| 251600Y | DPD No. 1, Low Range, tablet, pack of 100 | 0.01 to 6.0 mg/L |
| 251601Y | DPD No. 3, Low Range, tablet, pack of 100 | 0.01 to 6.0 mg/L |
| 251602Y | DPD No. 1, High Range, tablet, pack of 100 | 0.1 to 10 mg/L |
| 251603Y | DPD No. 3, High Range, tablet, pack of 100 | 0.1 to 10 mg/L |
| 251399Y | Secondary Reference Standard; pack of 3 | 0.0, 0.20 and 1.0 mg/L |
| 200900Y | 900 Series Data Hub for Infrared Data Transfer | |
| 251392Y | Primary Standard, 100 mL | 1.5 mg/L |

* Measured with standard solution

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