

Sper Scientific 860043

Free & Total Chlorine Meter

Professional, Accurate Chlorine Testing Anywhere

The Sper Scientific 860043 Chlorine Meter delivers laboratory-grade precision for both **Free** and **Total Chlorine** measurements in a portable, splash-resistant design. Ideal for field and industrial applications, this compact unit ensures confidence in every reading.

Key Features

- Dual Functionality – Measures Free and Total Chlorine from 0.00 to 3.50 ppm (mg/L)
- USEPA Method 330.5 & Standard Method 4500-Cl G compliance
- High-Resolution Optical System – Narrow-band LED (525 nm) with photo-diode detection
- Accuracy ± 0.02 ppm @ 1.00 ppm; resolution 0.01 ppm
- Microprocessor-controlled circuit for stable readings
- Jumbo LCD Display with HOLD, MAX, and MIN recall
- Automatic Power-Off to preserve battery life
- Splash-proof front panel and rugged housing
- Complete calibration standards included

Technical Specifications

Range	0.00 – 3.50 ppm (Free & Total Chlorine)
Resolution	0.01 ppm (mg/L)
Accuracy	± 0.02 ppm (mg/L) @ 1.00 ppm
Light Source	LED, 525 nm
Detector	Photo Diode
Method	USEPA 330.5 / Standard 4500-Cl G
Response Time	< 10 seconds
Sample Volume	10 mL
Calibration Points	0 ppm and 1.00 ppm (Free & Total Chlorine)
Operating Temp.	0 – 50 °C
Humidity	< 85% RH
Power Supply	6 × 1.5 V AAA batteries
Dimensions	155 × 76 × 62 mm (6.1 × 3.0 × 2.4 in.)
Weight	320 g (0.7 lb incl. battery)

Included Accessories

Instruction Manual
1.0 ppm Free Chlorine Standard (860043-CF)
1.0 ppm Total Chlorine Standard (860043-CT)
Zero Chlorine Standard (860043-CL)
2 × Empty Testing Bottles
Cleaning Cloth
10 × Free Chlorine DPD Powder Packets
10 × Total Chlorine DPD Powder Packets
Hard Carrying Case

Optional Accessories: Additional DPD powders, testing bottles, and standard solutions available separately.

Applications

- Drinking Water and Wastewater Testing
- Swimming Pool Maintenance
- Food & Beverage Processing Water
- Laboratory and Industrial Water Quality Checks
- Environmental Field Sampling

Warranty

1-Year Limited Warranty – covers defects in materials and workmanship. Register your product within 10 days at www.sperwarranty.com. Manual and updates available at www.sperdirect.com.