

CD50 - Nutrient EC/TDS Indicator

Easy-to-Use, Precise, Real-Time Monitoring of Nutrient Level for Hydroponics and Water Quality Control

The CD50 provides fast, accurate insight into the concentration of dissolved nutrients in a liquid solution, enabling precise control over feeding levels and water quality. By delivering real-time conductivity and TDS measurements, it helps users quickly adjust nutrient dosing to prevent deficiencies or overfeeding, ultimately improving plant health, growth rates, and yields. It also supports consistency across batches, reduces fertilizer waste, and ensures reliable results in applications such as hydroponics, agriculture, aquaculture, and laboratory testing.

Key Features:

- Measure in EC (Electrical Conductivity), CF (Conductivity Factor), and TDS (Total Dissolved Solids) in PPM500 and PPM700 scales (printed on meter to provide instant guidance)
- 24 bright LEDs clearly display nutrient levels for quick, confident, on-the-spot decisions
- Corrosion-resistant graphite EC electrode with automatic temperature compensation (ATC) delivers consistent, dependable measurements
- Factory-calibrated saves time and ensures reliable performance right out of the box
- Waterproof (IP67) construction
- Automatic on/off operation with no buttons makes testing fast and easy
- Long battery life (~3 years) with low battery indicator
- Detachable sensor guard allows fast cleaning to maintain accuracy and extend probe life



Applications:

- Hydroponics and indoor farming
- Agriculture and soil testing
- Aquaculture and water treatment
- Aquaponics and aeroponics
- Laboratories and environmental monitoring
- Water quality testing

Users:

- Hydroponic growers and horticulturists
- Greenhouse operators and farmers
- Aquaculture technicians
- Lab technicians and environmental scientists
- Water quality & treatment plant operators

Specifications

Specifications	
Conductivity (EC)	0.2 to 6.0mS/cm
Resolution	0.1mS/cm (0.2 to 4.0mS/cm), 0.25mS/cm (0.4 to 6.0mS/cm)
Conductivity Factor (CF)	2 to 60 CF
Resolution	1 CF (2 to 40 CF), 2.5 CF (5 to 100 CF)
TDS (700ppm scale)	140 to 4200ppm
Resolution	70ppm (140 to 2800ppm), 175ppm (2800 to 4200ppm)
TDS (500ppm scale)	100 to 3000ppm
Resolution	50ppm (100 to 2000ppm), 125ppm (2000 to 3000ppm)
EC and TDS Accuracy	±4% of reading ±1
Automatic Temperature Compensation	32 to 122°F (0 to 50°C)
EC/TDS Sensor	Corrosion-resistant graphite electrode



Rugged, waterproof construction doubles as a stirring tool for added convenience in the field

1 LIMITED PRODUCT WARRANTY YEAR



IP67



RoHS COMPLIANT

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Specifications (continued)

Specifications	
IP Rating	IP67 (waterproof)
Power	3 × 1.5V AA batteries
Battery Life	~3 years (10 measurements per day)
Housing	Rugged ABS plastic
Dimensions	17.8" Length × 1.2" Diameter (453 × 30mm)
Weight	8.1oz (230g)

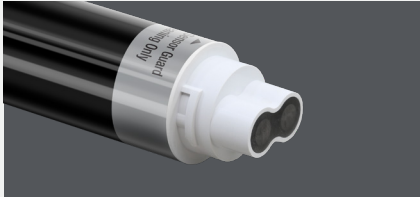


What's In the Box

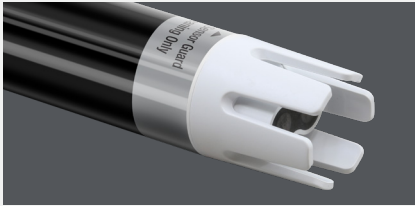
- CD50 with EC/TDS sensor and detachable sensor guard
- Wrist strap
- 3 × 1.5V AA batteries
- User manual



24 bright LED indicators display nutrient level



Rugged graphite sensor with ATC for precision measurement



Detachable durable sensor guard

Ordering Information

CD50 Nutrient EC/TDS Indicator

For more information about CD50, please scan or click:



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