



Milwaukee MI-EC60 PRO Waterproof 3-in-1 EC / TDS/Temp Tester



SPECIFICATIONS

- **EC Range:** 0.00-20.00 mS/cm
- **TDS Range:** 0.00-10.00 ppt
- **Temp Range:** 0.0 to 60.0°C / 32.0 to 140.0°F
- **EC Resolution:** 0.01 mS/cm
- **TDS Resolution:** 0.01 ppt
- **Temp Resolution:** 0.1°C / 0.1°F
- **EC Accuracy:** 2% Full Scale
- **TDS Accuracy:** 2% Full Scale
- **Temp Accuracy:** $\pm 0.5^{\circ}\text{C}$ / $\pm 1^{\circ}\text{F}$
- **EC Typical EMC Deviation:** 2% Full Scale
- **TDS Typical EMC Deviation:** 2% Full Scale
- **Typical EMC Deviation Temperature:** $\pm 0.5^{\circ}\text{C}$ / $\pm 1^{\circ}\text{F}$
- **Calibration:** Automatic, 1 point
- **Temperature Compensation:** Automatic, with $\beta=0.0$ to $2.4\%/^{\circ}\text{C}$
- **Probe:** Mi59P (replaceable)
- **Environment:** 0 to 50°C / 32 to 122°F; max RH 100%
- **Battery Type:** 4 x 1.5V; IEC LR44, A76 (included)
- **Battery Life:** Approx. 100 hours of use
- **Auto-off:** After 8 minutes of non-use
- **Dimensions:** 7.9 x dia 1.5 inches
- **Weight:** 3.5 ounces

DESCRIPTION

• The Milwaukee MI-EC60 PRO Conductivity Tester is designed for hydroponic and other growers to help you make sure that your plants have the ideal amount of nutrient available. Keep EC in your target range to help you achieve better results.



DESIGN FEATURES

- Measures conductivity and TDS with automatic temperature compensation.
- Ideal range for hydroponic and other growers (0.00 to 20.00 mS/cm).
- Units in mS/cm or ppt easily convertible to ppm.
- Factory calibrated with the ability to recalibrate if needed.
- Replaceable electrode.
- Fully waterproof to IP65.
- Approximately 100 hours of use (4 x 1.5V batteries included).



CONVERTING EC TO TDS

The Milwaukee EC60 PRO Conductivity Tester, like all conductivity meters, provides a measure of electrically charged ions in a solution and is an absolute measure of conductivity.

In Hydroponics, EC is often converted to TDS in parts per million (ppm). Different scales include the 500 scale, 650 scale and the 700 scale. However, true PPM can only be determined through chemical analysis.

Your mS/cm reading can be approximately converted to TDS (ppm) as shown in the examples below.

2.00 mS/cm = 2000 µS/cm = 1000 ppm on .50 factor scale.

2.00 mS/cm = 2000 µS/cm = 1400 ppm on the 442 scale or .70 factor scale

CARE AND USE MAINTENANCE

EC electrodes can develop nutrient build up over time. To minimize build up, always rinse the probe in fresh tap water after every use.