

new

Complete the Electrical Conductivity Picture.



The New ES-2 Sensor

The ES-2 Electrical Conductivity Sensor is designed to measure the electrical conductivity of water in a pipe, well or tank. When you pair the new ES-2 with a GS3 or 5TE in the soil, you'll begin to develop a complete picture of the salts that are going into your system as well as the salts remaining in your soil or

- Continuous EC measurements in a pipe, well or tank.
- Direct measurements of pore water EC when used in conjunction with the Wetting Front Fullstop.
- Check your EC values anywhere with an internet connection.

Specifications

Measurement Range: Electrical Conductivity: 0 to 120 dS/m
Temperature: -40 to 50°C.

Resolution: Electrical Conductivity: 0.001 dS/m
Temperature: 0.1°C.

Accuracy: Electrical Conductivity: ± 0.01 dS/m or $\pm 10\%$ (whichever is greater). Temperature: $\pm 1^\circ\text{C}$.

Operating temperature: 0 to 50°C.

Power requirements: 3.6 - 15 VDC, 0.03 mA quiescent, 0.5 mA during 300 ms measurement.

Dimensions: ES-2, ES-2T Housing: 2.2 cm Diameter, 11 cm length. ES-2F Housing: 1.5 cm Diameter, 9.2 cm length.

Thread types: $\frac{1}{2}$ inch NPT thread.

Measurement time: 300 ms (milliseconds).

Output: Serial TTL, 3.6 Volts Levels or SDI-12.

Connection types: 3.5 mm (stereo) plug, or stripped and tinned lead wires (3).

Cable length: 5 m standard; custom lengths available upon request.

Data logger compatibility (not exclusive): Decagon: Em50 series. Campbell Scientific: Any logger with serial I/O including CR10X, CR23X, any CRBasic type logger; Other: Any data acquisition system capable of 3.6 -15V excitation, and serial or SDI-12 communication.

Handheld reader compatibility: ProCheck version: (rev 1.50C+).

Software compatibility: ECH2O Utility (rev 1.65+), DataTrac3 (rev 3.6+).

Included: protective screw-on cap for use in tanks.

www.decagon.com/es2

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