

FEATURES

- One button operation
- Low power consumption
- Slim design for measuring directly from bottles
- Patented AC measurement technology
- OLED Display
- IRD data link for calibration and verification
- Military tested for endurance and extreme conditions
- ASTM D2624

TECHNICAL DATA

- 0–2000 pS/m Reporting of Conductivity
- Conductivity Resolution < 10.0 IS 0.1 pS/m
- Temperature Resolution < 100 is 0.1°C
- AAA Batteries –Lithium (Must use)
- 206mm x 22mm
- 140g



OVERVIEW

Offering improved accuracy, the patented AC technology used by the sefiso CUGUARD eliminates the guess work when taking a conductivity measurement. DC devices which never reach equilibrium experience a large inrush current which then slows as polarization voltage builds on the two measurement electrodes. This results in zero flow as charges on the electrodes form an infinite impedance. This means a DC device must guess when the current flow is representative of the fluid's ability to conduct. Movement of a DC sensor when taking the test will also dramatically affect the result.

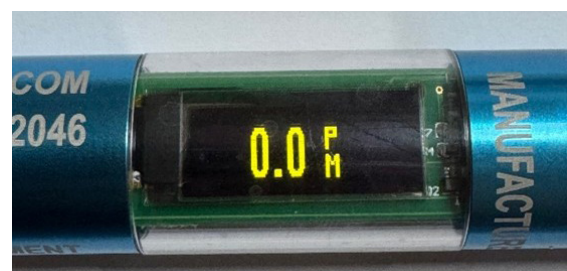
The AC (patented) technology continuously varies the voltage from one electrode to another, so no polarization occurs which makes the measurement flow insensitive. This allows many measures to be taken over a number of cycles resulting in very high precision.

VERIFICATION & CALIBRATION

In order to ensure maximum operational uptime, the sefiso CUGUARD is designed to be verified and calibrated in the field.

Option 1 – Air verification

With the sensor tip clean and dry, perform a test.
Achieves 0 pS/m.

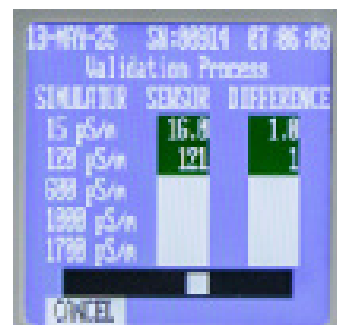


Option 2 - Optional Calibration Box

Allows user to perform a 5-point verification or calibration without the need of having to send the instrument to a service center. Simply insert the stick into the Calibration box, **Power on instrument by holding down left button for 1 second** and follow the onscreen instructions.

Calibration Box Specification

- 110/240v AC to 9v DC
- Colour Display
- Polycarbonate Enclosure
- 5-point Verification or Calibration
- 5 Year Calibration



INFORMATION

The CUGUARD Stick is manufactured by D-2 Incorporated, USA.

PART NUMBER

12100001	CUGUARD Conductivity Stick 0-2000pS/m
12100002	CUGUARD Self-Calibration Unit (incl. power supply)