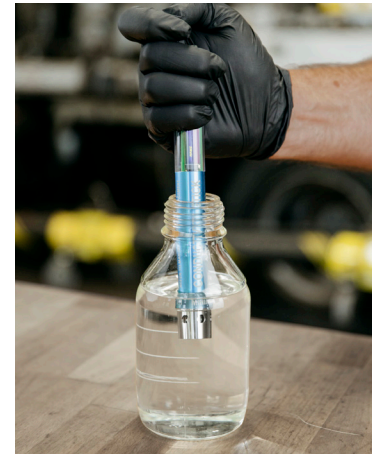


FEATURES

- ASTM D2624/IP274
- ATEX/IECEX/FM Hazardous Area Qualified
- Conductivity and temperature measurement
- Patented AC measurement technology
- OLED Display
- Battery powered
- Field verification and calibration capable
- Military approved and tested for endurance and extreme conditions
- Slim design for measuring directly from bottles
- One button operation



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 – Energizer Lithium L92 (Must be used for hazardous area compliance)
- 206mm x 22mm
- 140g
- FM25US0364X FM25CA0122X Intrinsically Safe
CL I, DIV 1, GRP A, B, C & D, T4 Ta = -30°C to +50°C
CL I, ZN 0 AEx/Ex ia IIC T4 Ga Ta = -30°C to +50°C
- FM25ATEX0043X, IECEX FMG 25.0048X
Ex ia IIC T4 Ga Ta = -30°C to +50°C
CE 2809 Ex II 1 G



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.

The AC (patented) technology continuously varies the voltage from one electrode to another, so no polarization occurs which makes the measurement flow insensitive. During each test multiple measurements are taken then an average is reported resulting in high precision and accuracy.

VERIFICATION & CALIBRATION

The CUGUARD stick shall be verified every 12 months minimum. If the stick does not verify correctly, it can be calibrated using the same SEF verification/calibration box following the on screen instructions or quick start guide. The SEF box can be used with multiple sticks on a daily/weekly/monthly basis if required and performed in the field as well as in an office or workshop.

Option 1 - Air verification

With the sensor tip clean and dry, perform a test.
Display should read 0.0 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 unit and follow the instructions on the box.

Calibration Box Specification

- 110/240v AC to 9v DC
- Colour Display
- Polycarbonate Enclosure
- 5-point Verification or Calibration
- 5 Year Calibration
- Simple two button operation
- Results displayed on the screen



INFORMATION

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

PART NUMBER

12100023	CUGUARD ATEX/IECEx/FM Hazardous Area Conductivity Stick 0-2000pS/m
12100002	CUGUARD Self-Calibration Unit (incl. power supply)