



Hand Held Conductivity Sensor

ASTM D2624 Test Method Listed

JF-1A-HH 0 – 2000* pS/M

JF-1A-HH-CM 0 – 2000* pS/cm



The D-2 JF-1A-HH hand held conductivity sensor is a portable version of the well-proven JF-1A sensor. The JF-1A-HH provides the same high-accuracy ASTM D2624 Listed measurement as the In Line Sensor without the problems with sample container material, or requiring sample relaxation due to its use of the D-2 proprietary AC measurement technique. The unit is provided in an industry standard ATEX approved polyamide housing, with built in Lithium Ion rechargeable battery system. *The JF-1A-HH is now available in a number of ranges up to 3,000 pS/cm, but higher ranges not ASTM approved.

The JF-1A-HH conductivity sensor is constructed of two 316SS coaxial electrode sensors. It has an easy to use menu system allowing up to 10 samples to be internally stored along with Sample Temperature, Date, and Time. The built in Bluetooth transfers stored data to users laptop for display on our graphing software. D-2 offers a complete windows software package for data handling and display, this

software automatically synchronizes with the JF-1A-HH when in proximity of its blue tooth transmitter, automatically transferring data for long term record keeping on the PC.

Features

- **D-2 Higher Accuracy AC Measurement**
- **Conductivity and temperature output capability**
- **High-Accuracy ($\pm 2\%$ of reading)**
- **Stores up to 10 Data Locations (User can input Location Names)**
- **Built-in “Bluetooth” data interface for ease of data transfer to user**
- **Suitable for Class I Div 2 Hazardous Locations**
- **Fully Temperature Compensated Measurement**
- **Built-In Long Life Lithium-Ion Rechargeable Battery**
- **Windows Data Handling Software (Free can download online at www.d-2inc.com)**
- **Internal Real Time Date & Clock for Data Record Keeping**



Hand Held Conductivity Sensor Specifications

Sensors

Parameter	Conductivity	Conductivity	Temperature
Model	JF-1A-HH	JF-1A-HH-CM	All
Range	0-2000 pS/m*	0-2000 pS/cm*	0-35°C*
Accuracy	+/-2 pS/m (+/-2% of reading)	+/- 2 pS/cm (+/-2% of reading)	+/-0.5°C
Resolution	0.1 pS/m	0.1 pS/cm	0.1C

*optional ranges available – contact factory

System

Power	Built-In 2.6Ahr Lithium Ion Battery (1000 Samples) Universal Voltage Wall Mount Charger
Outputs	128X64 Dot Matrix Display Indicating Conductivity and Temperature Sample Trend Line Graph to Assist Data Collection Bluetooth Data Interface*
Conductivity Sensor	316 SS Coaxial Electrode K=.02
Temperature Sensor	Platinum RTD NIST Traceable Calibration
Materials	Housing Polyamide Sensor 316SS and PEEK
Certification	ASTM D2624 Listed (Measurement of Electrical Conductivity of Distillate Fuels) ATEX (pending) Housing – ATEX, FM, CSA, UL, CENELEC

Drawing No.	Revision Date
A445-000R6	30-June-2009

