



D-2 Incorporated

Precision Industrial Sensors

Hand Held Conductivity Meter ASTM Test Method D-2624 Listed

JF-1A-HH 0-2,000 pS/M - JF-1A-HH-CM 0-2,000 pS/CM

The D-2 Inc. JF-1A-HH/(CM) Handheld Conductivity Meter provides precision measurement of low conductivity liquid chemicals. This handheld meter is ideal for hand sampling of low conductivity fluids such as aviation kerosene, ULSD, home heating fuel, Naphtha, and printing ink. The handheld utilizes the same patented AC Measurement Technology that is available in the well proven JF-1A

in line sensor allowing the user to accurately test non-relaxed fluids. It has an easy to use menu system allowing up to 8 samples to be internally stored along with Sample Temperature, Date, and Time. D-2 offers a free Windows® XP software package for data acquisition and display. The software can synchronize with the JF-1A-HH when plugged into the USB port, and then can transfer data for long term record keeping on the PC.



JF-1A-HH/CM
Handheld
Conductivity
Sensor

D-2 Inc.

Features:

- ✦ D-2 Highest Available Accuracy due to AC Measurement Technology, see Graph from the Precision Statement in ASTM D2624 on p. 2, from ASTM Research Report RR-D02-1680.
- ✦ Conductivity and Temperature Measurement
- ✦ Easy To Clean Tip available for Ink Measurement Applications
- ✦ Temperature Compensated Measurement
- ✦ Built for Class I Div 2 Hazardous Locations
- ✦ Large button design allows for easy use with gloves.
- ✦ Stores up to 8 Data Locations (User can input Location Names for each pipeline)
- ✦ Standard USB Connection for ease of data transfer to user PC
- ✦ Long Life Lithium-Ion Rechargeable Battery
- ✦ Data Graphing Software (download online at www.d-2inc.com)
- ✦ Internal Real Time Date & Clock for Data Record Keeping
- ✦ See JF-1A-HH Accessories Data Sheet for additional equipment for the Handheld device.

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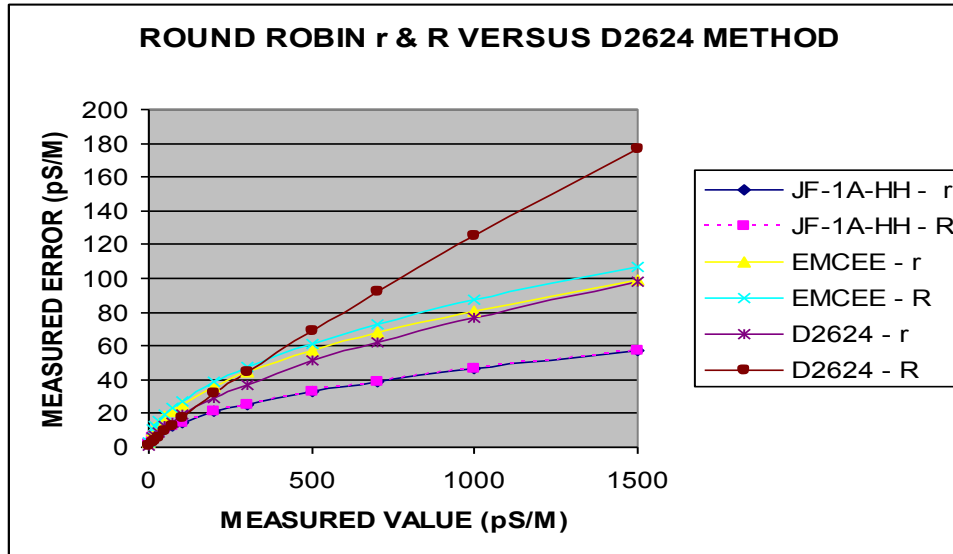
JF-1A-HH Hand Held Sensor Specifications

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	+/-1.5 pS/m (+/-1.5% of reading)	+/- 1.5 pS/cm (+/-1.5% of reading)	+/-0.5°C
Resolution	0.1 pS/m	0.1 pS/cm	0.1C

*alternate ranges available – contact factory

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

We don't hide our precision, see how our unit compares to the stated D-2624 precision in this graph of repeatability (r) and reproducibility (R), higher curves have higher error



Graph From: Published ASTM D2624 Round Robin for the JF-1A-HH Committee D-02.J0.04 Additives & Electrical Properties
Task Force On-Line Conductivity Measurements
RR: D02-1680, Round Robin JF-1A-HH Hand Held Conductivity Sensor Report

Drawing No.	Revision Date
A445-000R8	4-June-2010

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