JF-1A-HH Handheld Conductivity Sensor

Conductivity Measurement of Ink

- Precise measurement of conductivity and temperature
- Range: 0-2000 pS/cm
- Portable operation - rechargeable lithium-ion battery

Conductivity Measurement

JF-1A-HH Handheld Conductivity Sensor

The Seta D2 Handheld Conductivity Meter (D2 JF-1A-HH model) provides an accurate and rapid conductivity measurement of ink.

Key Features

- Precise measurement of conductivity & temperature
- Range: 0-2000 pS/cm (0-35°C)
- AC technology allows measurement of static & flowing fuel
- Portable operation - rechargeable lithium-ion battery
- Calibration kit available
- Integral memory - stores up to 8 Data locations
- USB interface for ease of data transfer to user
- Fully temperature compensated measurement
- Windows data handling software

Principles of Operation

The JF-1A-HH Conductivity Meter is constructed of thermally stable internal electronics and two 316 SScoaxial electrode sensors.

The Conductivity Meter incorporates innovative electronics Digital Signal Processing (DPS) techniques to accurately determine the electrical conductivity of fuel products.

The instrument allows users to measure samples in any container, such as; a bucket or glass jar, offering an accurate, portable solution for measuring fuels in tanks, in the field or laboratory.

An easy to use menu system allows up to 8 samples to be internally stored along with sample temperature, date and time information.

This data can be held in internal non volatile memory for either readout on the display or transfer to a personal computer by a built in USB data link.

Benefits of AC technology

- Sample does not need to be static
- Unaffected by bias drfit therefore less opportunity for error
- 24/7 recording capacity
- Real time measurement

Calibration & Verification Tool (99715-0)

The calibration & Verification tool fits easily onto the tip of the Handheld Conductivity Meter for quick and easy calibration or verification of the instrument.

It has one switch to easily alter the range from low value (200 pS/m) to high 600 pS/m.

This allows the user to verify or calibrate conductivity in the field thus eliminating the costly requirement of returning the instrument to the factory.

The kit, housed in a protective case, comprises of a calibration and verification tool, USB cable, software and instructions.

The calibration and verification device is supplied with a full certificate and need not be re-certified for 3 years.

Optional Accessories

Bench Stand

Designed to hold the Handheld Meter upright allowing the user to easily run tests. the stand is a sturdy rugged metal design which is easy to assemble and disassemble for transportation.

Part Number: 99708-002

Metal Beaker with Ground Strap - 600mL

The stainless steel beaker is welded with a metal grounding strap to allow any DC charges to dissipate (without affecting measurement).

Part Number: 99708-003

Stanhope-Seta, London Street, Chertsey, Surrey, KT16 8AP, UK
t: +44 (0) 1932 564391 | e: sales@stanhope-seta.co.uk | www.stanhope-seta.co.uk

Conductivity Measurement

Technical Specifications:		
Parameter	**Conductivity**	**Temperature**
Range:	0-2000 pS/cm (contact factory for optional ranges)	0-35°C
Accuracy:	+/- 1.5 pS/m (+/- 1.5% of reading)	+/-0.5°C
Resolution:	0.1 pS/m	0.1°C
Power:	Built-In 2.6AHr Lithium Ion Battery (1000 samples) Universal Voltage Wall Mount Charger	
Outputs:	128X64 Dot Matrix Display Indicating Conductivity & Temperature Sample Trend Line Graph to Assist Data Collection	
Conductivity Sensor:	316 SS Coaxial Electrode K=.02	
Temperature Sensor:	Platinum RTD NIST Traceable Calibration	
Materials:	Instrument housing Polyamide, sensor 316SS and PEEK Instrument housing ATEX, FM, CSA, UL, CENELEC	

Ordering Information:		
JF-1A-HH Handheld Conductivity Sensor for Oils:	99707-0	0 to 2000 pS/cm
JF-1A-HH Handheld Conductivity Sensor for Fuels:	99708-0	0 to 2000 pS/m
JF-1A-HH Handheld Conductivity Sensor for Inks:	99706-0	0 to 10,000 pS/cm
Conductivity Calibration & Verification Tool for Oils (99707-0):	99715-0	
Conductivity Calibration & Verification Tool for Fuels (99708-0):	99714-0	
USB Cable:	99708-001	
Bench Stand:	99708-002	
Metal Beaker with Ground Strap (600ml)	99708-003	
Carry Case:	99708-005	

Also available...

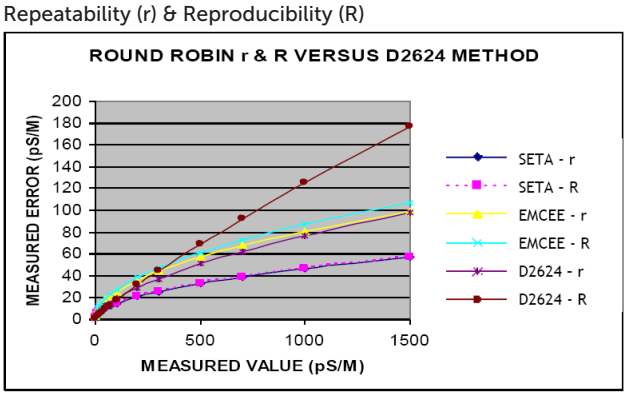
Handheld Conductivity for Fuels

ASTM D2624; IP 274; DEF STAN 92-92; ASTM D1655

- Specified in ASTM D2624
- Precise measurement of fuel conductivity & temperature
- Range: 0-2000 pS/m (0-35°C)
- AC technology allows measurement of static & flowing fuel
- Used by Fuel terminals, refinery fuel quality control, laboratory personnel, oil companies, pipelines and aviation fuel QA personnel

ASTM D2624 Precision

Repeatability (r) & Reproducibility (R)



Stanhope-Seta, London Street, Chertsey, Surrey, KT16 8AP, UK
t: +44 (0) 1932 564391 | e: sales@stanhope-seta.co.uk | www.stanhope-seta.co.uk