

## Latest conductivity specification for Diesel Fuels - specifies ASTM D2624

Tests for conductivity of Aviation fuels are well established and mandated in Jet Fuel Specifications including ASTM D1655 and DEFSTAN 91-91.

Due to their low conductivity properties, there is growing operational safety concerns regarding the handling of modern **Ultra Low Sulfur Diesel (ULSD) and Kerosene based Automotive fuels**. While the use of additives may assist to reduce potential conductivity problems, operators are now mandated to test these fuel types for conductivity to ensure that they are within safe limits for storage and transportation.

### **ASTM D975 Diesel fuel specification**

Mandates the measurement of conductivity for Grade1 and Grade2 Diesel fuels and states a 25 pS/m minimum conductivity requirement, especially in instances of high velocity handling such as fuel transfer/loading.

### **ASTM D7467 specification for Diesel fuel oil, Biodiesel blend B6 to B20**

The same conductivity test requirement is now included.



## Background

The specified test method for fuel conductivity is ASTM D2624 and SETA-D2's JF1A instrument is listed and fully approved in this test method.

## What this means for SETA

The JF1A technology offers many superior features which include the ability for an operator to measure flowing fuel.

Seta JF1A products are fully certified and in full compliance with ASTM Method D2624.



> 99708-0 handheld conductivity meter

## 99708-0

JF1A handheld conductivity meter is designed for quality assurance testing of drawn samples.

## 99500-0

JF1A in-line sensor provides a fuel supplier or distribution company with in-line measurement capability. The in-line conductivity system offers attractive potential cost savings providing a refinery or terminal with 24/7 in-line conductivity measurement for QA and also to assist in optimisation of costly static dissipator additives (SDA).



> 99500-0 in-line conductivity meter

Customers already using our in-line conductivity systems include Bharat Petroleum, Chevron, KBR, Total, Oil tanking, Air BP, Shell, Statoil, Saudi Aramco, Shell Products USA, ENRAF, NEREFECO and CESP.

Further information about conductivity measurement of fuel can be found at [www.stanhope-seta.co.uk/4659/In-line-Conductivity-Sensor-\(D2-JF-1A\)](http://www.stanhope-seta.co.uk/4659/In-line-Conductivity-Sensor-(D2-JF-1A)) or by scanning the QR code below.

