



OIL CONDUCTIVITY TESTER

Oil Conductivity Tester - ToronOCT™ 1999

An Oil Conductivity Tester is used to measure the electrical conductivity of light petroleum products so operators can assess electrostatic behavior during storage, transfer, and handling. Oil Conductivity Tester - ToronOCT™ 1999 is designed for aviation fuels and distillate fuels, with a measuring range of 0 to 1999 pS/m, handheld operation, built-in temperature measurement, and functions such as self-calibration, cell constant compensation, and zeroing.

Oil Conductivity Tester - ToronOCT™ 1999 is a dedicated handheld instrument for measuring the electrical conductivity of light petroleum products.

This type of instrument helps users evaluate whether a fuel can dissipate static charge effectively during movement through tanks, filters, and pipelines. The instrument integrates conductivity measurement, temperature measurement, self-calibration, conductivity cell constant compensation, and zeroing in one handheld platform.

APPLICATIONS

Oil Conductivity Tester - ToronOCT™ 1999 Application

- Aviation fuel conductivity checks: Aviation fuels need controlled conductivity to reduce the risk of static accumulation during transfer and fueling. This tester is aligned with conductivity measurement of aviation fuels, making it suitable for fuel depots, airport fuel handling, and related quality-control workflows.
- Distillate fuel testing: The instrument also fits distillate fuel testing programs where conductivity is monitored as part of product safety and handling control. ASTM D2624 and ISO 6297 both cover conductivity determination for aviation and distillate fuels.
- Fuel transfer and storage safety monitoring: Conductivity data is commonly used to judge how well a fuel dissipates electrostatic charge generated during pumping, filtering, and movement. ISO 6297 explains that conductivity is tied to a fuel's ability to dissipate charge generated during pumping and filtering operations, so this tester supports safer

transfer and storage decisions.

- Field and portable fuel inspection: The handheld format, battery-powered design, and intrinsic safety positioning make the instrument practical for field checks where bench instruments are less convenient.



FEATURES

Oil Conductivity Tester - ToronOCT™ 1999 Key Features

- Handheld Oil Conductivity Tester designed for light petroleum products, especially aviation and distillate fuels.
- Conductivity measuring range of 0 to 1999 pS/m with 1 pS/m resolution for detailed low-conductivity fuel assessment.
- Electronic conductivity measurement error of $\leq \pm 2\%$ for reliable fuel conductivity readings.
- Integrated temperature measurement from 5 to 60°C with 0.1°C resolution.
- Built-in functions for self-calibration, conductivity cell constant compensation, and zeroing to simplify setup and help maintain measurement consistency.
- 3½-digit LCD display for clear field readout.
- Powered by 3 AAA batteries, which supports easy replacement and low-power field operation.
- Compact portable form with a handheld layout for convenient carrying and operation.

TECHNICAL SPECIFICATIONS

Oil Conductivity Tester - ToronOCT™ 1999 Technical Specification

Specification	Oil Conductivity Tester - ToronOCT™ 1999
Product type	Handheld oil conductivity meter for light petroleum products
Conductivity range	0 to 1999 pS/m
Conductivity resolution	1 pS/m
Conductivity measurement error	$\leq \pm 2\%$
Temperature measuring range	5 to 60°C

Specification	Oil Conductivity Tester - ToronOCT™ 1999
Temperature resolution	0.1°C
Display	3½-digit LCD
Voltage	4.5 V, 3 × AAA batteries
Ambient operating temperature	0 to 40°C
Ambient relative humidity	≤ 70% RH
Built-in functions	Conductivity measurement, temperature measurement, self-calibration, conductivity cell constant compensation, zeroing



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