

Want answers? Ask your oil the right questions.

Designed for accuracy, flexibility and peace of mind, the Digilab Oil Analyzer is a powerful, rugged instrument developed from the ground up to perform in rigorous environments, and to be operated by inexperienced personnel. In addition, an Oil Analysis Accessory can be purchased to be used with your existing spectrometer. An optional autosampler can further expand the speed and efficiency of your oil analysis operation.

The earliest advantage

Molecular analysis of lubricating oil can give a wide and very useful range of information about the system being monitored. Fluid sample data collected over time can be used to track overall health and performance of engines and turbines. Oil analysis can quickly point to sources of potential problems, allowing the operator to predict them, prevent them or at least correct them before they become serious, thus extending equipment life and increasing productive uptime.

Partners for Machinery Uptime

It has passed rigorous, independent, non-profit evaluations.

Focused efficiency

Designed from the ground up for use in maintenance applications.

Increased speed

Several complete spectra can be collected in a few seconds.

Improved sensitivity

Better signal-to-noise ratio results in greater sensitivity.

Power and efficiency

Increased optical throughput for "sooty" samples.

Stability

Obtain reproducible results.

Flexibility

Analyze a wide range of fluids, from all types of machinery.

Ease of use

Uncomplicated design, simple to operate, from technician to expert.

Rugged

Designed to operate in oil laboratories.

Peace of mind

Backed by Digilab, a company committed to customer support.

What you need is what you get

User-defined password protection for controlled access.

Auto-Method select

A proprietary software, allows operator to customize procedure and ignore fluid type or analysis details as necessary.

Autoidentify feature

Recognizes and classifies probable fluid type from chemical fingerprints, facilitating analysis of unknown components.

Auto-Calibrate

Assures proper system performance.

Small footprint

Allows easy system relocation when necessary.

Networkable

Communication of results to a central laboratory computer for additional analysis integration, sample tracking, trending, expert software interpretation and report generation.

Auto-Guide software

Guides the inexperienced operator.

Supervisor interface

Allows for easy selection of reporting options and checking steps.

Expert interface

Allows for new methods development.

Built for a reason

Users of the Digilab Oil Analyzer range from maintenance departments at manufacturing and processing plants, large fleets, to the US Army, as well as commercial laboratories that must meet the needs of a broad scope of customers.

Applications include:

— Monitoring of petroleum-based lubrication oils in diesel, gasoline and natural gas engines, including: Buses, rail-road, fleet vehicles, and construction equipment.

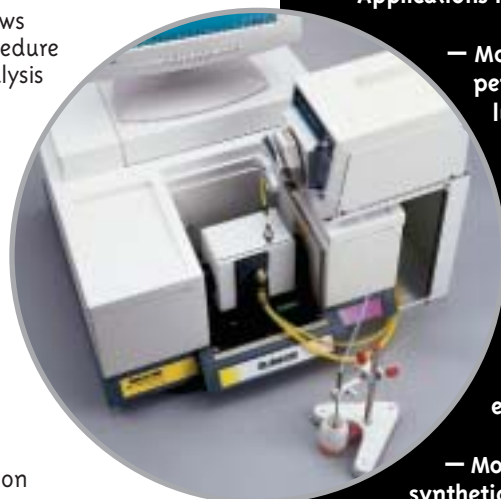
— Monitoring of synthetic ester-based lubrication oils in jet engines and power turbines.

— Monitoring of petroleum and synthetic-based hydraulic fluids.

— Monitoring of gearbox oils and transmission fluids.

— Predictive maintenance and condition monitoring.

— Fluid quality control.



Environmental Conditions

Operational temperatures	20C to 26C (68F to 80F)
Temperature gradient	1C/Hr (2.2F/hr) maximum
Relative humidity range	20% to 50% non-condensing
Operational altitude	3,000 meters (9,842 feet) maximum
Free from strong electromagnetic fields	
Free from vibrations	

Space

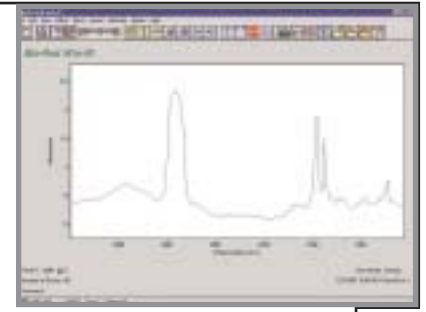
Flat and level surface rigid enough to support 68kg (150 lbs.) without warping or sagging.

Surface width	213.36 cm (84")
Surface depth	91.44 cm (36")
Free overhead space	101.6 cm (40")
Service cable access at rear	45.72 cm (18")

Specifications

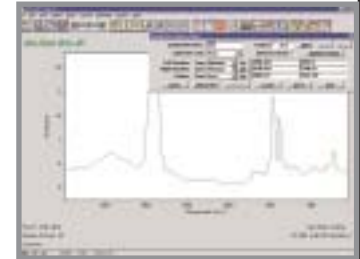
110 VAC required
Integral ASTM test E-1421-91
ISO 9001 certified company

Spectrometer dimensions:
(width x depth X height)
58 x 64 x 38 cm
22.8 x 25.2 x 15 in.



Expert level

- Gives you access to full data analysis capabilities.



Expert level

- Enables the development of new, additional procedures for your specific oil analysis application.



- Simple, easy-to-interpret oil report.

The Digilab

OIL ANALYZER

Lubricant Molecular Analyzer

Digilab®

Digilab is an ISO 9001 registered manufacturing, service and engineering facility. The Digilab Oil Analyzer is CE marked. We adhere to these procedures to maintain the highest standards in the design, support and manufacture of our products, to assure you the highest levels of customer satisfaction.

USA 68 Mazzeo Drive, Randolph, MA 02368

Telephone (781) 794-6400

Domestic Sales (800) 944-0033, **Fax** (781) 986-5013

International Sales (781) 794-6400, **Fax** (781) 794-6600

E-mail sales@digilabglobal.com

Website www.digilabglobal.com

United Kingdom 222 Maylands Avenue

Hemel Hempstead, Hertfordshire HP2 7TD

Telephone (44) 208-328-2400, **Fax**(44) 144-239-1321

Japan 7-18, Higashi-Nippori, 5-Chome, Arakawa-Ku, Tokyo 116-0014

Telephone 81-3-5811-6277, **Fax** 81-3-5811-6273

E-mail salesasia@digilabglobal.com

Germany Bischofstrasse 86, 47809 Krefeld

Telephone (49) 2151-51590 **Fax** (49) 2151-51591

E-mail sales europe@digilabglobal.com

Website www.digilabglobal.com



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