

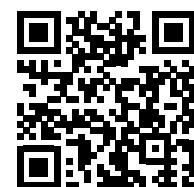
FTIR In-Service Oil Analysis

Lyza 7000 Used Oil Package



Lyza 7000 is a benchtop FTIR spectrometer for oil condition monitoring, compliant with the most important ASTM standards. Perform compliant analyses at the push of a button with pre-installed methods or configure your own individual methods based on your requirements.

FIND OUT MORE



[www.anton-paar.com/
apb-lyza-7000](http://www.anton-paar.com/apb-lyza-7000)

Benefits

The Lyza 7000 Used Oil Package includes Anton Paar's remarkably reliable and intuitive FTIR spectrometer, the correct transmission cell for your oil condition monitoring needs, and pre-installed methods. It merges measurement, processing, and spectral analysis into one convenient guided workflow.

Easily create your own specialized library and develop your personal methods to optimize efficiency. Set them up as fast pass/fail checks to let even untrained users easily analyze samples.

Measure and analyze spectra directly in the instrument's embedded software – no need for an external PC. Save lab space with the compact spectrometer's small footprint.

Compliance

ASTM E2412, D7214, D7412, D7414, D7415, D7418, D7624, D7844

Highlights

- Ideal solution for oil condition monitoring: Convenient analysis with predefined lubricant methods
- All you need to know at a glance: System health monitoring including a humidity sensor with active warning system
- High resolution, 10.1", adjustable touchscreen
- Save bench space in your lab: Compact design, no external PC needed
- Quick analysis of Oxidation, Nitration, Sulfate by-products, Antiwear Components (ZDDP), and contaminations with Water, Gasoline, Diesel, Ethylene Glycol (Antifreeze) and Soot



Lyza 7000



Detector	Pyroelectric DLATGS detector
Optics	Hermetically sealed aluminum casing with gold coated mirrors, KBr windows, and beam splitter
Signal-to-noise ratio	55,000:1 (1 min, 8 cm ⁻¹ , 1,900 – 2,250 cm ⁻¹)
Spectral range	350 cm ⁻¹ to 7,500 cm ⁻¹
Spectral resolution	1.4 cm ⁻¹ to 16 cm ⁻¹
Wavenumber accuracy	<0.05 cm ⁻¹ @ 900 cm ⁻¹ to 3,000 cm ⁻¹
Measurement time	<30 seconds
Interferometer	Permanently aligned cube corner interferometer
Laser class	Class 1, enclosed hermetically
Desiccant	Molecular sieve with color indicator, user-replaceable
Operating temperature	10 °C to 30 °C
Dimensions	365 x 315 x 382 mm (D x W x H)
Weight	12.8 kg
Display	10.1", PCAP touchscreen, multitouch
Controls	Touchscreen, optional keyboard, mouse, and barcode reader

