

Spectro FT-IR Auto Sampler



Features

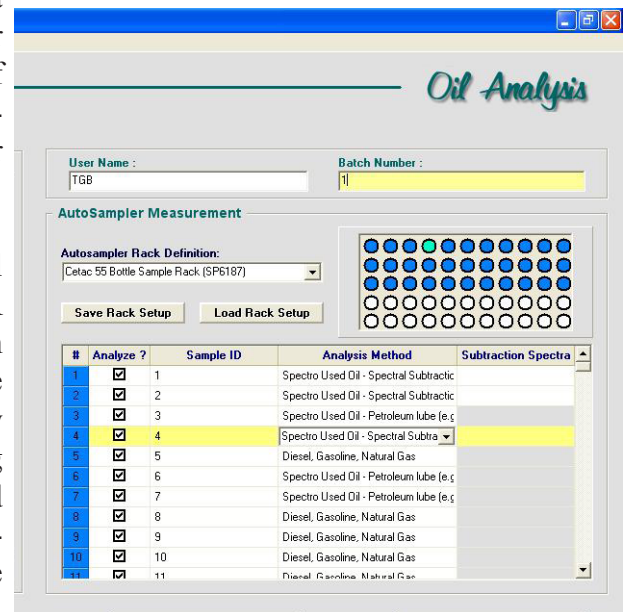
- ▶ **Accurate - Never Misses a Sample:** Precision engineered automated sample probe arm and stationary sample racks virtually eliminate errors.
- ▶ **Durable - Corrosion Resistant:** Sealed electronics chassis and coated metal parts protect against the harshest chemical environments.
- ▶ **Integrated Rinse Station -** Continuous flow sample probe rinse station with peristaltic pump minimizes sample contamination and carryover.
- ▶ **Auto Zero - Intelligent** sample probe re-homing device dramatically reduces accidental sample intake errors.
- ▶ **Easy Set-Up and Operation -** Out-of-the-box set-up allows a fully operational system the day of delivery.
- ▶ **Flexible Rack Configuration -** Five different rack sizes from 90 x 7 ml to 21 x50 ml. Compatible with other standard market, ready-made sample racks.

"The Spectro FT-IR Auto Sampler was developed and optimized for maximum sample throughput and reliability in support of predictive maintenance programs."

The Spectro FT-IR Oil Auto Sampler

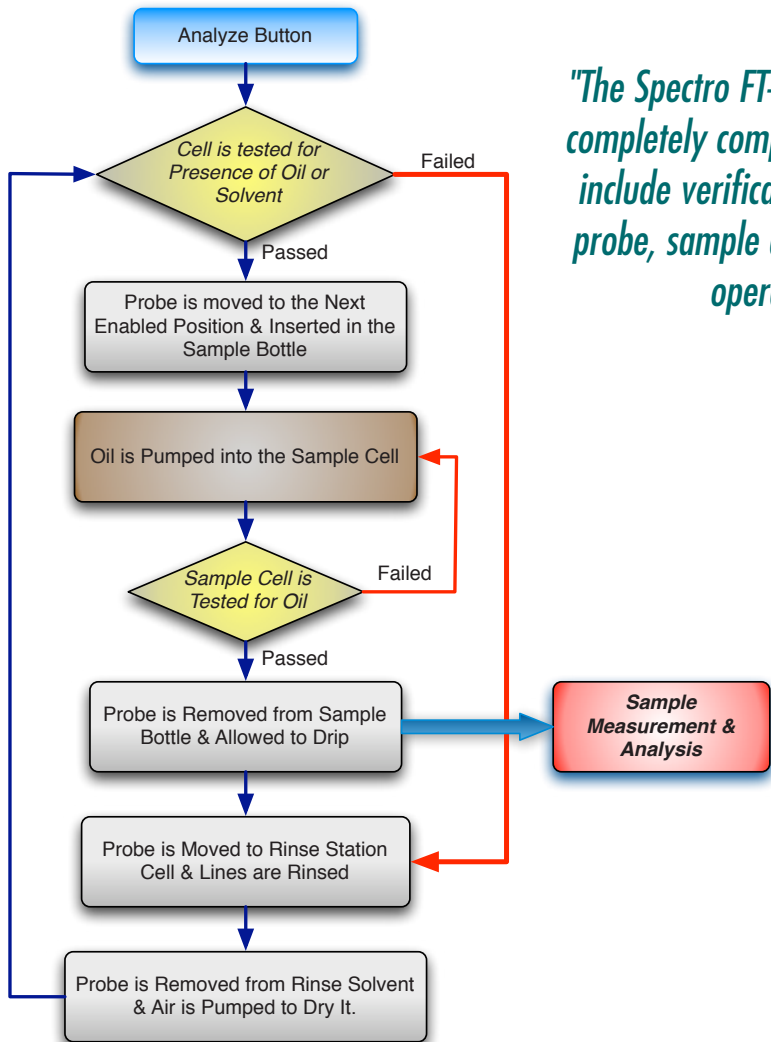
The Spectro-FTIR can be operated in the automatic mode with an optional Auto Sampler. In this mode of operation the filling, emptying, and cleaning of the cell is performed automatically using a computer controlled AutoSampler and external pump(s). A rack of samples is thus measured automatically according to operator settings.

When coupled with the optional autosampler, the Spectro FT-IR Oil Analyzer is ideal for condition monitoring laboratories with large sample loads. The system is easy to use and requires little training for operation since it is optimized for one application: used oil analysis. It features continuous on-line diagnosis of all spectrometer components and automatic control of selected measurement parameters.



"The Spectro FT-IR software interface with the Auto Sampler is seamless and readily accommodates varied sample racks and analysis methods."

Auto Sampler Workflow



"The Spectro FT-IR Auto Sampler is completely computer controlled to include verification of sample in probe, sample analysis and rinse operations."

The Spectro-FTIR Auto Sampler System consists of:

- ▶ A specifically designed autosampler with peristaltic pump and connecting hardware.
- ▶ 24 position sample rack.
- ▶ Sample Probe.
- ▶ Peristaltic Pump.
- ▶ In-line filter and tubing.

Spectro Incorporated is the only company dedicated exclusively to providing instrumentation, software and applications support for machine condition monitoring through oil analysis.

Contact us for your instrumentation needs and complete turnkey systems for oil analysis.

Specifications

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|-------------------------------|--|
| Height: | 25 cm (10") |
| Width: | 61 cm (24") |
| Depth: | 49 cm (21") |
| Weight: | 10.5 kg (23 lbs) |
| Recommended Solvent: | Pentane |
| Computer/Hardware Interfaces: | 5 auxiliary outputs and 5 inputs: RS232, USB, direct control and IEEE-488 Option |
| Power Requirements: | 100-240 VAC +/- 10%, 50/60 Hz |
| Available Sample Racks: | 24 positions, 52 mm diameter holes, 3 rows by 8 columns |
| | 40 positions, 42 mm diameter holes, 4 rows by 10 columns |
| | 55 positions, 29 mm diameter holes, 5 rows by 11 columns |

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