

FiberROC Auto

One Easy-to-Use Instrument for
all your Fiber Determinations



WHY FIBERROC AUTO?

OPSIS LiquidLINE brings innovation to classical reference analyses, and our FiberROC Auto instrument is no exception. The FiberROC Auto incorporates modern technology to simplify your Crude Fiber, Neutral Detergent Fiber, Acid Detergent Fiber and Acid Detergent Lignin Determinations.

- Integrated workflow with OPSIS LiquidLINE LabConnect Software and Wireless communication.
- The unique OPSIS LiquidLINE BlackLINE coating provides High Chemical Resistance.
- Higher throughput and lower solution consumption than comparable systems.



HIGH THROUGHPUT

- Up to four times the capacity compared to other solutions on the market.
- Easy registration and loading of samples, reduces preparation time.



ONE SAMPLE RACK, WITH UP TO 27 SAMPLES, MAKES IT EASY TO ACHIEVE A HIGH THROUGHPUT

LOW OPERATING COSTS

- Less time in front of the instrument with full automation.
- Less solution needed per sample, which saves costs.
- The OPSIS LiquidLINE BlackLINE coating* provides chemical protection and lower your maintenance costs.



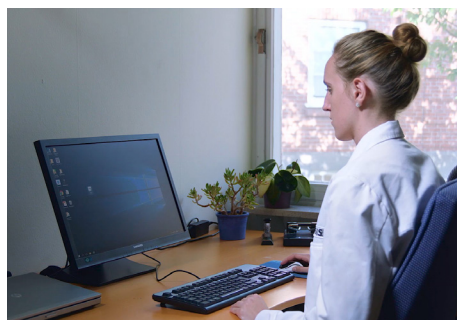
LOWER MAINTENANCE COSTS WITH OPSIS LIQUIDLINE BLACKLINE COATING.

UNIFIED SOLUTION

- Efficient Digital workflow with OPSIS LiquidLINE LabConnect software.
- Similar user interface for your OPSIS LiquidLINE instruments.
- Use the LabConnect software** to unify protein, fat and fiber results into one report.

* OPSIS LiquidLINE BlackLINE coating is taken from latest development in Swedish corrosion technology. Similar coating is used in trucks and cars from Volvo and Scania.

** Using several methods in LabConnect requires an upgrade to the Full license.



LABCONNECT SOFTWARE, FOR ALL ANALYSES, FACILITATES RESULT REGISTRATION.

BENEFITS

The OPSIS LiquidLINE FiberROC Auto is designed for Crude and Detergent Fiber determinations according to Van Soest and Weende reference methods. High capacity, low operating costs and modern technology has been our ambition when designing this instrument.

HIGH THROUGHPUT

The FiberROC Auto provides high throughput with up to 27 samples in each batch. The sample rack and LabConnect registration makes the preparation of samples efficient. The FiberROC instrument will automatically take care of all boiling and dosing of solutions.

- Easy registration of all weights, using LabConnect software and balance connection. Prepare your batch with the supplied sample trays and sample rack.
- A full sample rack allows up to 27 samples per batch.
- FiberROC Auto is completely automated which means that time can be spent on other tasks during the process. Get a notification in your mobile phone when ready.
- Use LabConnect to register your results and produce an analysis report.



SAMPLE TRAYS AND A SAMPLE RACK MAKES IT EASY TO PREPARE AND INSERT YOUR SAMPLES INTO THE FIBERROC AUTO

LOW OPERATING COSTS

The FiberROC Auto is designed to provide low operating costs, using small amount of solution per sample.

- Sharing one tank for all samples means that solution consumption can be kept at a minimum.
- The FiberROC Advanced provides an half-tank mode, which allows you to reduce your solution volume when you have few samples to analyze.
- Time is money. An automated high capacity instrument means less time in front of the instrument and faster analytical cycles.



CLOSE THE TOP LID AND LET YOUR FIBERROC AUTOMATICALLY HANDLE ALL STEPS WITH BOILING AND RINSING. SAVES VALUABLE OPERATOR TIME.

UNIFIED SOLUTION

Same LabConnect software and similar User interface on several OPSIS LiquidLINE instruments simplifies laboratory work. Both LabConnect and the FiberROC Auto can be adjusted to existing Lab procedures.

- Use same LabConnect software for all your methods. In LabConnect it is possible to combine several results into one report*, such as Protein, Fat, Fiber, Moisture and Ash. Print, mail or export your report.
- Familiar environment for the operator, with same touchscreen interface for both Kjeldahl and Fiber determinations.
- With our adaptive workflow you are always in control, for example handling batches with no previous registration or weight entry and registration inside LabConnect.

* Using several methods in LabConnect requires an upgrade to the Full license.



THE FIBERROC TOUCHSCREEN MAKES IT EASY TO SELECT AND PERFORM OPERATIONS. THE LEARNING CURVE IS LOW FOR ANYONE THAT IS USED TO THE OPSIS LIQUIDLINE KJELROC.

CONNECT YOUR LABORATORY

Connect the FiberROC Auto to your Laboratory information flow. The LabConnect software is delivered together with all FiberROC Auto instruments.

- Complete solution to register your weights and analyse your results, including direct import from connected balance and/or barcode scanner.
- Send weights and retrieve results between the FiberROC and a PC. Export to other LIMS systems or save in Excel, .CSV or PDF format.
- Trusted IT security. No data is exchanged on the internet (no external cloud servers).
- Monitor your FiberROC Auto remotely, using your mobile phone.



CONNECT A BALANCE TO LABCONNECT AND TRANSFER WEIGHTS FROM THE BALANCE INTO THE FIBERROC AUTO BATCH.

LabConnect software can be upgraded with the Full license

- Analysis Module with Statistical Tools.
- One software for all your Protein, Moisture, Ash, Fiber and Fat analyses. The LabConnect Full will even work with instruments from other brands.

THE OPSIS LIQUIDLINE LABCONNECT SOFTWARE



Labconnect Standard license is delivered together with OPSIS LiquidLINE KjelROCs, SoxROCs and FiberROC Autos

Labconnect Full license is an upgrade that allows expansion with analytical tools and exchange of data to other instruments

ISO 17025 AND CFR TITLE 21 PREPARED

Traceability of data and user access levels simplifies implementation of ISO 17025 and CFR Title 21 Part 11.

- Efficient, Secure and Traceable Digital workflow with included OPSIS LiquidLINE LabConnect software, compliant with ISO 17025 and CFR Title 21 Part 11.
- Audit Trails using LabConnect software. Events in the FiberROC Auto will be traced.
- Dedicated Managers menu in the FiberROC Auto to perform QC operations such as calibrations.
- The FiberROC system can be qualified for your laboratory. Installation, Operational and Performance Qualification documents can be purchased for both FiberROC and LabConnect.



FIBERROC SERVICE MENU ALLOWS EASY ACCESS TO ALL PARTS OF YOUR INSTRUMENTS.

OP SIS LIQUIDLINE MAINTENANCE PROGRAM

OP SIS LiquidLINE is designed for maximum safety, with several safety systems inside. There are diagnostics functions inside the FiberROC Auto, which reduces the risk for downtime.

- Unique system that allows Individual test of every component in the instrument via a Service menu.
- Automatic self test with recommendations for user actions.
- Complete steps for daily, monthly and yearly maintenance.

FIBERROC AUTO, FB-300-C, AND FIBERROC ADVANCED FB-310-C

Technical Data	
Fiber Method	Crude Fiber (CF), Neutral Detergent Fiber (aNDF/NDF) and Acid Detergent Fiber (ADF), Acid Detergent Lignin (ADL) in accordance with Weende and Van Soest.
Sample size	0.5 - 1.0 g
Measuring range	0 - 100%
Capacity per Batch	27 samples simultaneously with FiberROC Auto 9 or 27 samples simultaneously (selectable) with FiberROC Advanced
Included in Package	FB-300-C FiberROC Auto with 27 positions or FB-310-C FiberROC Advanced with both 9 and 27 positions User Guide, 1 Sample Rack, 1 Sample Rack Stand, 9 Sample Trays, Marker for Fiber bags, external tubings and LabConnect software (standard license)
Power Supply	190-240 VAC, 50-60 Hz, 10A, Max 1500W
Operating Temperature	5°C - 40°C, max 80 % relative humidity
Dimensions (W×H×D)	520 × 530 × 400 mm
Weight	35 kg
Consumables	FB-011-A CF/NDF/ADF/ADL Bags for FiberROC Auto/Adv. Box of 200 pcs
Accessories	FB-100-A Sample Rack Set
	FB-101-A Sample Rack
	FB-102-A Sample Rack Stand
	FB-103-A 3 sample Trays for Sample Rack
	FB-104-A Black Acetone Resistant Marker for Fiber Bags
	FB-106-A Reference Sample for Verifying FiberROC, 100g
	FB-110-A Thermosealer for Fiber bags
FB-111-A Water Boiler, 220V	

Specifications subject to change without notice

Opsis AB, Box 244
SE-244 02 Furulund Sweden
Telephone +46 46 72 25 00
Telefax +46 46 72 25 01
E-mail info@opsis.se
www.liquidline.se



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