

FIWE Advance

Automatic Fiber Analyzer

Fully automated fiber analysis ensuring precise, reproducible results with minimal hands-on effort, complying with official methods for crude and detergent fiber determination.

velp®

Driven by curiosity



FIWE Advance Fiber Analyzer

The FIWE Advance is a fully automatic analyzer for Crude and Detergent Fiber determination according to official standard methods. State-of-the-art technology ensures safety, premium remote connectivity and a unique user experience. FIWE Advance Load&Go operation, requires a minimum operator time of only 2 minutes, to improve lab productivity.

Compliance and Consistency

- Fully compliant with ISO and AOAC official standards for Crude Fiber and Detergent Fiber determinations (NDF, ADF, ADL)
- Keeps fiber residues in crucibles during all analysis phases, avoiding transfers and reducing risk of errors
- Guarantees reliable, reproducible results across multiple runs

Load and Go Automation

- Analyzes up to 6 samples with automated digestion, filtration, and washing steps
- Precise reagent dosing through the Velp Dispensing Nozzle eliminates operator contact with hot chemicals and fumes
- Minimal operator time required — as little as 2 minutes to boost lab productivity

Time and Cost Savings

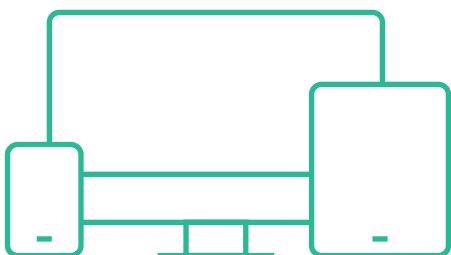
- Automatic processing frees up valuable operator time for other tasks
- Individual sample treatment increases flexibility and efficiency.
- Reduced labor requirements and consistent results lower overall operating costs

Safety and Ease of Use

- Dedicated glass tanks for reagent storage inside the instrument for safe handling
- 7" color touch screen with intuitive interface, preset/customizable methods, and quick favorites
- Optional balance connection and barcode scanner simplify analysis preparation and data handling



Velp Ermes Connection



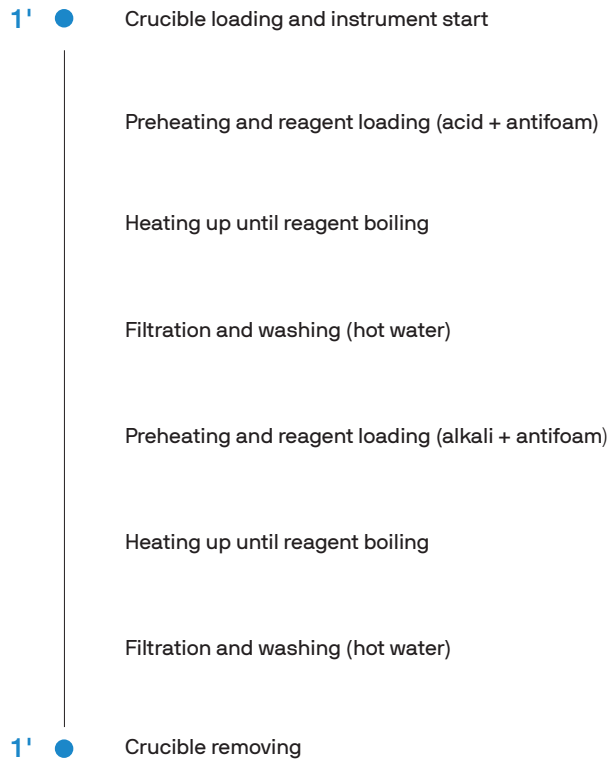
Connect the FIWE Advance to the exclusive Velp Ermes Cloud Platform to improve your laboratory experience. The Velp Ermes Cloud Platform connection will unburden you from tedious tasks improving your lab productivity.

- Enhanced service support
- Real time monitor and control of the instrument from PC, smartphone and tablet whenever you want, wherever you are
- Immediate alert and notification with the possibility to stop the instrument for maximum safety
- Regular software updates will guarantee the best performance and new features with just one-click

FIWE Advance Load and Go!

FIWE Advance

Operator time in front of the instrument
(Crude Fiber determination)

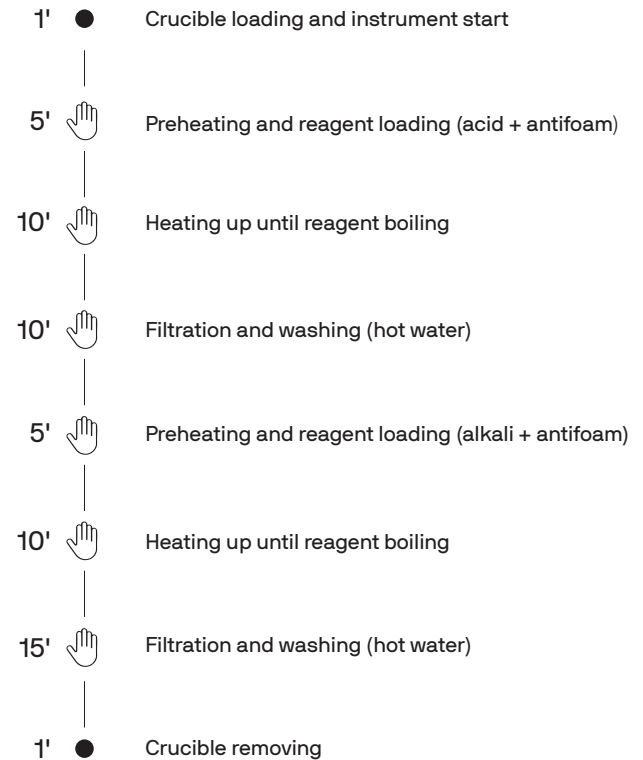


Time of analysis: 120 min

Total operator time: 2 min

Semi Automatic Extractor

Operator time in front of the instrument
(Crude Fiber determination)



Time of analysis: 120 min

Total operator time: 57 min

Fields of Application

The FIWE Advance is a fully automated solution for crude fiber, NDF, ADF and ADL determination in feed, food and plant-based samples, according to Weende and Van Soest methods and international standards such as AOAC and ISO.



Food

Feed, Pet food

Optional Accessories

Glass crucible P0 6pcs/box	A00000138
Glass crucible P1 6pcs/box	A00000139
Glass crucible P2 6pcs/box	A00000140
Glass crucible P3 6pcs/box	A00000137
Adapter USB-RS232	A00000195
Barcode scanner with USB socket	A00000364
Wireless barcode scanner	A00000365
H2O residues tank with caps	A00000266
Oat meal, 30g	A00000318
IQ/OQ FIWE Advance Manual	A00000386
Velp Ermes 1 Year Connection	E00010012
Velp Ermes 3 Year Connection	E00010036

Instrument - Code

FIWE Advance

230 V / 50-60 Hz

F30500500

Supplied with

Velp Ermes 1 Year Connection	E00010012
Glass crucibles P2 6 pcs/box	A00000140
Calibration pump device	A00000384
Cooling tap water inlet tube	10000280
PVC tube Ø 7x10 mm	10001086
EPDM tube Ø 6.4x11.2 mm	10002412
Inlet tube for distilled H ₂ O	40000153
Outlet tube for residues	40000387
Pincer for crucibles	10000247
Holder for crucibles	40002662
Heat shield	40002545
Handling device for crucibles	40002596
USB Wi-Fi Adapter	A00000392

The Velp Nozzle automatically dispenses the reagents into each column

The 7" LCD touch display and Velp User Interface ensure smart operations

Multiple USB port and LAN to connect the balance, Wi-Fi Adapter, Barcode scanner

Bright LED illumination of the active positions



Advanced filtration system ensure consistency and repeatability

The transparent glass tanks allow an immediate visualization of the reagents level



Technical Data

	FIWE Advance
Positions / number of samples	Up to 6 samples simultaneously
Capacity per day	Up to 36 (crude fiber / weende method) Up to 60 (other methods)
Samples processing	Individually processed
Sample quantity	From 0,5 to 3 g
Display	7" LCD color touch screen
Measuring range	0,1-100%
Repeatability	± 1% relative at 5%-30% fiber level
Barcode reader connection	Yes
Lighting	LED showing active positions
Heating and dispensing of reagents	Automatic
Reagent pre-heating time	5 - 7 min
Time from pre-heated temperature to boiling	5 - 10 min
Connectivity	Cloud via USB Wi-Fi adapter and LAN
Interfaces	3 x USB, ethernet (pc)
Result calculation	Automatic, on-board archive for data storage
Protocol library	5 standard methods + 30 customizable methods
Water consumption	From 1.0 l/min
Dimension (WXDXH)	735 x 420 x 666 mm 28,9 x 16,5 x 26,2 in
Weight	57 kg 125 lb
Power supply	230 v – 50/60 hz
Power consumption	2100 w

Service & Support

Velp products are designed by our engineers to resist years of laboratory use.

Our products are manufactured with premium materials to guarantee the best performance with maximum safety.

According to our experience, a proper and regular maintenance is necessary to ensure the highest performance of analytical instrument. Velp Service Department and Velp Official Partners are always ready to offer you maintenance and service support tailored to your needs.

Get the support you need choosing the options:

- Help-desk and Remote support
- Technical Assistance
- Analytical Support

We reserve the right to make technical alterations
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