

FIBRE THERM: Fully automated technology for pioneering laboratories

Efficiency and precision in fibre analysis



- Highly efficient
- Precise and reliable results
- Standardised
- Innovative FibreBag technology
- Safe and convenient
- Durable and low maintenance
- Compact and cost-effective

With FIBRE THERM, C. Gerhardt presents a groundbreaking solution for fibre analysis in animal feed. The system combines fully automatic digestion and filtration processes combining it with an innovative FibreBag technology – for rapid, more precise and more reliable analytical processes. Benefit from reproducible results, reduced chemical consumption and a workflow that saves time, money and resources.

— Efficiency redefined

With FIBRE THERM, you can analyse up to twelve samples simultaneously – fully automated and in a standardised manner. This reduces chemical consumption, saves valuable time and significantly increases the efficiency of your laboratory without compromising on quality or reliability of the analytical results.

— Fully automated processes for maximum time savings

All digestion, cooking and filtration steps are performed automatically. Temperature control, solution addition and filtration are all performed independently, ensuring smooth, unattended operation. This frees up your time for other important tasks in the laboratory.

— Precision through standardisation

Standardised analytical conditions combined with our high-precision FibreBag technology guarantee reproducible and valid results. The entire process complies with established standard methods (Weender, van Soest) and delivers accurate values for XF, ADF, NDF and ADL.

— Innovative FibreBag technology – robust, secure and reliable

The high-tech FibreBag fabric ensures consistent filtration conditions thanks to its evenly distributed mesh size. The large surface area of the FibreBags guarantees optimal chemical flow and prevents sample clumping – for consistently high analytical quality and reproducible results.

— Clean, safe and low in maintenance

The closed analytical process protects operators from hot chemicals and vapours. Automated handling of chemicals, an integrated drip tray and automatic vessel recognition ensure safe and comfortable working conditions. No fume hood required – saving space and costs.



— High-quality materials for durability and comfort

Glass in the upper part of the digestion vessel allows visual monitoring of the process, while stainless steel in the lower part ensures stability and safety. High-quality components guarantee trouble-free operation and low maintenance costs.

— Practical accessories for even greater efficiency

From the heat-resistant combustion module and degreasing module to the external amylase pump: the extensive range of accessories makes FIBRE THERM a flexible system for all demands. Optional modules simplify sample handling and speed up the entire analytical process.

— Safe handling, precise results

No dripping, no spillage, no direct contact with chemicals – FIBRE THERM sets new standards in occupational safety. At the same time, the ash-free combustion of the FibreBags ensures low blank values and precise, reproducible results.

— Compact, cost-effective, future-oriented

Thanks to its compact design and the elimination of the need for a laboratory fume hood, more space is available in the laboratory. Low operating and service costs increase the availability of the device and reduce running costs. This means that FIBRE THERM is amortised rapidly – a plus for any modern laboratory.

Conclusion

FIBRE THERM stands for the perfect combination of automation, precision and safety. The system revolutionises fibre analysis in animal feed – with measurably improved efficiency, reproducible results and a well-designed operating concept that makes everyday laboratory work noticeably easier and safer.

Maximum efficiency in the smallest of spaces – with the manual FibreBag system.

Process up to 6 samples simultaneously and save space, chemicals and energy. Ideal for laboratories with low or seasonal sample throughput – for precise crude fibre, ADF, NDF and ADL determinations in animal feed.



Technical data

Cooling water consumption	approx. 5l/min
Rated voltage	230 VAC
Power consumption	1,900 W
Weight	42 kg
Dimensions (W x D x H)	340 x 640 x 860 mm
Compressed air supply	4–5 bar
Capacity of digestion tube	1.8 liter
Interfaces	2 x RS 485
Programme memory	9
Water connection	2 x ¾ inch thread
Compressor (optional)	4–5 bar



Our consumables are precisely tailored to Gerhardt apparatuses – for maximum precision and reproducibility. High-quality reagents and ISO 9001-compliant manufacturing ensure consistently high quality without contamination. Production in Europe guarantees short delivery routes, high availability and stable supply chains. With a reliable ordering service, fair prices and flexible service concepts, you receive the optimal allround package for your analytical system.



Stay in touch:

Contact us:	info@gerhardt.de www.gerhardt.de/en
	Phone +49 (0) 2223 2999-0
We offer:	Consultation, online demo, service
Product information:	www.gerhardt.de/en/fibretherm



C. Gerhardt GmbH & Co. KG
Cäsariusstraße 97
53639 Königswinter
Germany

www.gerhardt.de/en