Gerhardt
Analytical Systems

HYDROTHERM- AUTOMATIC HYDROLYSIS

For classic fat determination acc. to Weibull-Stoldt. The complete digestion and filtration process runs in a closed system.

Technical Data HYDROTHERM

Type	HYDROTHERM
Heating places	6 (3 modules each with 2 heaters)
Sample weight	variable, only limited by size of the digestion tube and capacity of the folded filter
Cooling water connection system	3/4 inch thread
Required cooling water connection lab	1/2 inch thread
Cooling water pressure	1 - 6 bar
Consumption of cooling water	approx. 5 l/min
Nominal voltage	230 VAC, 50 Hz
Nominal power	2800 W
Current consumption	max. 12,2 Ampere
Interface	2 x RS 485
	1 x CAN-Bus
Dimensions (W x D x H)	closed 870 x 480 x 880 mm, open 870 x 600 x 960 mm
Weight	approx. 85 kg

*Computer: PC / Laptop and printer are not included scope of delivery.
*System requirements: Windows XP®, Vista®, Windows 7®, Windows 10®, Windows 11®, 1 x USB-interface or 1 x serial interface.

Order Information HYDROTHERM

Order No.	Type	Description
13-0031	HT6	Hydrolysis unit HYDROTHERM 6-place complete system incl. - Tubing set complete with inlet and outlet tubes - CD-ROM with HYDROTHERM Manager - Package with folded filters, 100 pcs - Fill level sensors for reagent and sample waste tanks

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ACCESSORIES AND CONSUMABLES
Make sure to use only original C. Gerhardt spare parts in order to obtain the best possible results. These parts have been tested thoroughly in the C. Gerhardt application lab.

Folded Filter

Order No.	Type	Description
1004092	FF240	Folded filter Ø 240 mm, package with 100 pcs

Weighing Paper

Order No.	Type	Description
1004939	WP250	Weighing paper, 10 x 13 cm, Block with 250 pcs

Sealing Ring

Order No.	Type	Description
1005563	FLD-T	HT-sealing ring EPDM 109 x 75 mm for Funnel
1004699	FLD-S	HT-sealing ring FKM 85 x 55 mm for hydrolysis beaker

Glass Parts

Order No.	Type	Description
1003217	CON-HT	HT condenser Duran 50 with 4 GL-connections
1002741	PG-HT	HT Hydrolysis beaker, 2.5mm wall thickness

GL-Screw cap + seal

Order No.	Type	Description
1004321		Screw cap GL18, nat. white
1000356		Silicone sealing ring, GL 18

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Maintenance-Kit HYDROTHERM

Order No.	Type	Description
1006264	ETS-HT	HYDROTHERM 12 month maintenance kit, complete with: 6 x Sealing ring FKM 6 x Sealing ring EPDM 6 x Silicone sealing GL 18 1 x Tubing 5 x 1,5 FPM, 2 m

Tank level control

Tank level control 1005098

Illustration
Position in tank
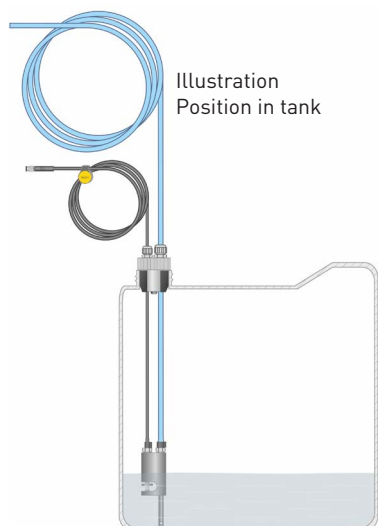
Order No.	Type	Description
1005098	ID8	Tank level control for **Chemical-storage tank**, incl. cable labels for clear identification, suitable for tanks with the following dimensions: - Height = min. 130 mm... max. 2000 mm - Filler neck = min. Ø 40 mm... max. Ø 50 mm
1005517	ID8R	Tank level control for **Water-storage tank**, incl. cable labels for clear identification, suitable for tanks with the following dimensions: - Height = min. 130 mm... max. 2000 mm - Filler neck = min. Ø 40 mm... max. Ø 50 mm
1005721	PA8	Tank level control for **sample waste storage tank**, incl. cable labels for clear identification, suitable for tanks with the following dimensions: - Height = all tanks - Filler neck = min. Ø 47 mm... max. Ø 50 mm
1005334		Adapter bayonet catch for universal level control. Accessorie for the connection to older HYDROTHERM systems **(only neccessary for systens with serial number older 1765150016)**

Data cables + Adapter

Order No.	Type	Description
10-0199		USB-GerBus Adapter, USB/RS485
10-0193		Data cable DK45 grey, 5 m, 2 x RS485 Plug
10-0192		Data cable DK42 grey, 2 m, 2 x RS485 Plug

10-0199

10-0193 (10-0192)

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Recirculating Cooler FL

Order No.	Type	Description
10-0046	FL601	Recirculating cooler 230 V, 600 W, for environmentally friendly cooling of HYDROTHERM.

Storage tanks

Order No.	Type	Description
1005849	KAN10	Tank made of HDPE, 10 L
1005850	KAN20	Tank made of HDPE, 20 L

SUPPORT AND SERVICE

In addition to its high quality instruments, C. Gerhardt offers comprehensive services to maintain the functionality and effeciency of your equipment.

Installation / Equipment Qualification

Order No.	Type	Beschreibung
99-0205	ABI-HT	Installation and Instruction HYDROTHERM - Installation and connection of the unit - functional check - operating instructions
99-0208	GQF-HT	Equipment Qualification (IQ/OQ) HYDROTHERM - Installation of the unit and instruction - **I**nstallation **Q**ualification **IQ** and **O**perational **Q**ualification **OQ**, Guidance for **P**erformance **Q**ualification **PQ** - Training of laboratory personnel with certificate - Individual training certificates, if reqested

SERVICING AND MAINTENANCE CONCEPTS

For detailed information on servicing and maintenance concepts, please contact your local authorised C. Gerhardt representative.

WORKSHOPS / SEMINARS / APPLICATIONS TRAINING

For detailed information on trainings and workshops, please contact your local authorised C. Gerhardt representative.

TABLE OF CONFIGURATION
Please arrange the required system

Hydrolysis Unit

Quantity	Order No.	Type	Description

Consumables / Accessories

Quantity	Order No.	Type	Description

Support and Service

Quantity	Order No.	Type	Description

Send offer to:

Customer No.	
Company	
Name	
Address	
Tel.	
E-Mail	
Web	

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Presented by

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