Introduction

The GDANA Fully Automatic Soxhlet Extractor (fat determination instrument) is primarily used for the determination of crude fat content in samples such as food, feed, oils, detergents, polymers, pharmaceuticals, petrochemical products, soil, and sludge.

Product Information

	 FT-660	 FT-640
Batch processing amount	6	4
Detection range	0.1-100% (depend on sample)	0.1-100% (depend on sample)
Sample weight	0.5-15g	0.5-15g
Volume of extraction chamber	120mL	120mL
Volume of collection chamber	160mL	160mL
Power of the whole unit	2700W	1800W
Reagent recovery rate	85%	85%
Extraction time	Shorten by 20% to 80%	Shorten by 20% to 80%
Extraction temperature range	Room temperature – 300℃	Room temperature – 300℃
Repeatability	≤1% (fat content 5% to 100%)	≤1% (fat content 5% to 100%)
Cooling water temperature	＜26℃	＜26℃
Temperature control accuracy	±1℃	±1℃
Method storage capacity	10 methods	10 methods
Cooling water pressure	＞0.1Mpa	＞0.1Mpa
Working environment temperature	10℃ ~ 28℃	10℃ ~ 28℃
Control way	External linear control	External linear control
Solenoid valve material	PTFE	PTFE
Reflux pipe material	PTFE	PTFE
Collection chamber compress with leverage	√	√
The extraction process can be paused and resumed at any time	√	√
Automatic extraction	√	√
Automatic washing	√	√
Automatic reagent recovery	√	√
Classic Soxhlet extraction	√	√
Soxhlet thermal extraction	√	√
Hot extraction	√	√
Continuous extraction	√	√
Cooling water monitor	√	√
Abnormal temperature monitor	√	√
Instrument dimension	880mm(L)*440mm(W)*850mm(H)	510mm(L)*360mm(W)*800mm(H)
Controller dimension	265mm(L)*195mm(W)*85mm(H)	265mm(L)*195mm(W)*85mm(H)
Controller weight	1.6kg	1.6kg

Product Information

	 FT-660	 FT-640
Standard accessories		
Controller	1	1
Aluminum cup	18	12
Aluminum cup sealing ring	12	8
Aluminum cup cover sealing ring	6	4
Extraction chamber sealing ring	6	4
Metal thimble	12	8
Fiber thimble	5box (25 PCs/box)	5 box (25 PCs/box)
Power cable	1	1
USB cable	1	1
Plug	2	2
Pipe joint	2	2
Steel gate	2	2
Silicone rubber hose	2	2
User manual	1	1
Warranty card	1	1
Optional accessories		
Recirculating cooler	√	√

Fully Automatic Soxhlet Extractor

	Part No.	Product Name	Description
	**GDN-FT-660**	FT-660 Fully Automatic Soxhlet Extractor	6-place
	**GDN-FT-640**	FT-640 Fully Automatic Soxhlet Extractor	4-place

Accessories and Maintenance Supplies

	Part No.	Product Name	Description
	**GDN-HFT-LT**	Fiber Thimble	Used for sample extraction (25 PCs/box)
	**GDN-HFT-MFQ-LBG**	Aluminum Cup Cover Sealing Ring	Sealing for collection chamber
	**GDN-HFT-MFQ-LBK**	Aluminum Cup Sealing Ring	Sealing for collection chamber
	**GDN-HFT-MFQ-CQS**	Extraction Chamber Sealing Ring	Sealing for extraction chamber

Accessories and Maintenance Supplies

	Part No.	Product Name	Description
	**GDN-HFT-LB**	Aluminum Cup	For fat collection and solvent recovery
	**GDN-HFT-YLT**	Metal Thimble	Place the samples inside the metal thimble, then put in and take out samples in the extraction room
	**GDN-HFT-DT**	Plug	When moving the instrument, this plug can prevent the inflow and outflow of water
	**GDN-HFT-JK**	Pipe Joint	The pipe joint can connect the instrument with water pipe
	**GDN-HFT-GJ**	Steel Gate	Fixed inlet / outlet pipelines and pipe joint
	**GDN-HFT-JCSG**	Silicone Rubber Hose	Piping for the inlet and outlet water that connection to the instrument
	**GDN-HFT-LJX**	Power Cable, Signal Cable	Used for connecting the controler to the instrument
	**GDN-HFT-LSJ**	Recirculating Cooler	Provide cooling water sources

Customer Questionnaire

If you are interested in our instruments, please fill in the following information and send it to our local agent or email the form directly to sales@rogetscientific.com. We will reply to you within two working days.

Please tick the box in the brackets【 】

Application (Sample Type)

Eg:【v】Agricultural food: fat analysis in peanuts

【 】Environmental monitoring: _____

【 】Agricultural food: _____

【 】Plastic and rubber: _____

【 】Scientific research: _____

【 】Petrochemical products: _____

【 】Leather textiles: _____

【 】Electronic products: _____

【 】Other _____

Daily Detection Sample Quantity

【 】0-10 samples

【 】10-50 samples

【 】>50 samples

Single Sample Weight

【 】0g-0.5g

【 】0.5g-15g

【 】＞15g

Table of Configuration

Please arrange the required system

Instruments

Quantity	Part No.	Product Name	Description

Consumables and Accessories

Quantity	Part No.	Product Name	Description

Send Offer to

Company	
Contact person	
Address	
Tel.	
E-mail	
Web	

*As the product is updated and iterated, the data sheet may change. Please refer to the latest version of the data sheet. The final interpretation rights of the data sheet belong to Roget Scientific.