



EasyMax™ 102 Sets

Reactors

Accessories

Peripherals

Software

EasyMax™ – Chemistry Made Easy
The Next Generation Synthesis Tool

METTLER TOLEDO

Editorial	3
EasyMax™ – The Next Generation Synthesis Tool	4
EasyMax™ Thermostat System	6
EasyMax™ Thermostat Optional Accessories	9
EasyMax™ 100 mL Glass Reactor Set	10
EasyMax™ 100 mL Glass Cover Set	12
EasyMax™ Teflon® Cover Set for 100 mL Reactor	16
EasyMax™ 5-Port 100 mL One-Piece Glass Reactor Set	20
EasyMax™ 4-Port 100 mL One-Piece Glass Reactor Set	24
EasyMax™ 5-Port 50 mL One-Piece Glass Reactor Set	28
EasyMax™ 50 mL Glass Reactor Set	32
EasyMax™ 50 mL Glass Cover Set	34
Optional Accessories for EasyMax™ 50 mL Glass Reactor	39
EasyMax™ 25 mL Glass Reactor Set	40
EasyMax™ 10 mL Glass Reactor Set	42
EasyMax™ Overhead Stirrer Set	44
Optional Accessories for EasyMax™ Overhead Stirrer	47
Accessories for EasyMax™ Overhead Stirrer	48
Dosing Unit SP-50 Set	50
Syringes for Dosing Unit SP-50	55
EasyMax™ 3-Way Dosing Adapter Set	56
EasyMax™ General Accessories	58
EasyMax™ Optional Accessories	60
Peripherals EasyMax™ Manual Dosing	61
Peripherals EasyMax™ pH Measurement Equipment	62
iControl Software for EasyMax™	66
Interactive Web-based Seminars	68

Glossary of terms used

ReactIR	= Mid-IR spectroscopy	PA	= Polyamide
FBRM®	= Focused Beam Reflectance Measurement	PVC	= Polyvinylchloride
HC-22	= Hastelloy® C22	SAN	= Styrene acrylonitrile
PTFE GF25	= Teflon® (Polytetrafluoroethylene), 25 % glass	PE	= Polyethylene
PEEK	= Polyetheretherketone	PP	= Polypropylene
ETFE	= Ethylene tetrafluoroethylene	PU	= Polyurethane
FFKM	= Kalrez® (Perfluoroelastomer)	POM	= Polyoxymethylene
FPM	= Viton® (Fluorine rubber)		= Polybutylene terephthalate
		VQM	= Silicone rubber
		PVDF	= Kynar® (Polyvinylidene Fluoride)

EasyMax™ – Chemistry Made Easy

Editorial

- **No cryostat (–40 °C to 180 °C) – eliminate oil baths, ice baths, and cryostats**
- **Touchpad control – simple and effective control, no learning curve**
- **Miniature footprint – small and mobile system to save fume hood space**
- **Window to your chemistry – window and backlight makes your reaction mixture always visible**
- **Different volumes from 1 to 150 mL – screening and optimization in one instrument**
- **Excellent control – heat flow meter and reproducible**
- **Data logging and transfer to PC – captures your experiment data and makes all data traceable**

Introduction

EasyMax™ is a new dimension of reactor system for the synthesis lab and the synthetic organic chemist. It combines proven conventional techniques with state-of-the-art technology allowing you more time to think about your chemistry. Hence, EasyMax™ supports you to carry out chemical synthesis easier, faster and better. Because dangerous oil and ice baths are eliminated and control takes place using a simple to operate touchpad, you will enjoy increased safety at your work place. Ease-of-use and an exceptionally high quality design of EasyMax™ will make your working environment better, more enjoyable and your life in the synthetic lab easier.

New thermostat principle

EasyMax™ is a single, self-contained box with a built-in solid state thermostats covering the entire temperature range without an additional cryostat. It hosts two vessels that operate independently from each other. The powerful and self-sufficient solid state heating and cooling system controls the temperature of the reaction mixture accurately and reproducibly. The thermostat provides the necessary performance to grant outstanding heating and cooling rates in the entire temperature range from –40 °C to 180 °C, jacket temperature (Tj). Even chemical reactions with a large heat of reaction are kept at constant temperature, ensuring that reaction kinetics are unaffected.

Touchpad and windows with backlight

EasyMax™ has a small footprint and occupies minimal bench space. Operation is simple and you are in control of all functions at all times. The clearly arranged touchpad is used for control, and to display information and trends at all times during the synthesis. EasyMax™ is equipped with a wide range of accessories to provide the highest possible operating flexibility. A window in the front in combination with a strong backlight enables observation of changes that occur during the course of the reaction.

EasyMax™

The Next Generation Synthesis Tool

51 161 711

EasyMax™ 102 standard set

- Ease-to-use
- Self-sufficient
- Compact
- Efficient and increased productivity
- Reproducible and traceable experiments
- Low experiment cost
- High quality of information
- Improved workplace safety



Compatibility list

	100 mL reactor and cover	100 mL Teflon reactor and cover	5-port 100 mL one-piece reactor	4-port 100 mL one-piece reactor	5-port 50 mL one-piece reactor	50 mL reactor and cover
51 161 700 Overhead stirrer set	● (Select a stirrer)	● (Select a stirrer)	● (Select a stirrer)	● (Select a stirrer)	● (Select a stirrer)	● (Select a stirrer)
51 161 725 Pitched-blade stirrer, upward, 45°, glass	●					
51 161 726 Pitched-blade stirrer, downward, 45°, glass	●					
51 161 727 Anchor stirrer, glass	●					
51 161 723 Stirrer shaft, length 258 mm, HC-22	●					
51 162 442 Pitched-blade element, upward, 4 impellers, 45°, HC-22	●	●				
51 161 724 Anchor blade, HC-22	●					
51 161 756 Stirrer shaft, length 218 mm, HC-22		●				●
51 161 356 Pitched-blade element, upward, 4 impellers, 45°, HC-22	●	●				●
51 161 549 Pitched-blade element, downward, 4 impellers, 45°, HC-22	●	●				●
51 161 364 Rushton turbine blade, HC-22	●	●				●
51 161 813 with 51 161 749 Glass stirrer for the one-piece reactor			●	●		
51 161 813 with 51 161 814 Glass stirrer for the one-piece reactor					●	
51 343 161 Semi Micro L pH electrode, 230 x 6 mm	●	●	●	●	●	
51 191 332 InLab 1022, pH electrode, 140 x 6 mm					●	●
51 191 952 50 mL dropping funnel, ST14/23, glass	●	●	●		●	

25 and 10 mL glass reactors



No sensors or peripherals from the list above needed.

100 mL glass reactor and cover



100 mL glass reactor and Teflon® cover



5-port 100 mL one-piece glass reactor



4-port 100 mL one-piece glass reactor



5-port 50 mL one-piece glass reactor

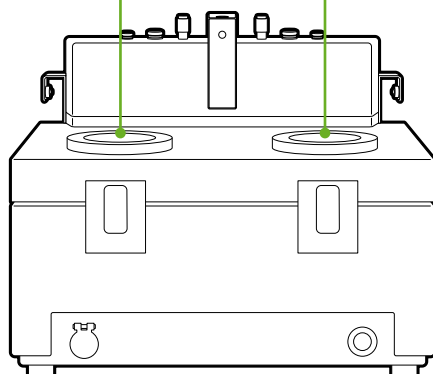


50 mL glass reactor and cover



Configure and customize your thermostat system

The system is built to hold different sizes of reactors for screening and optimization.

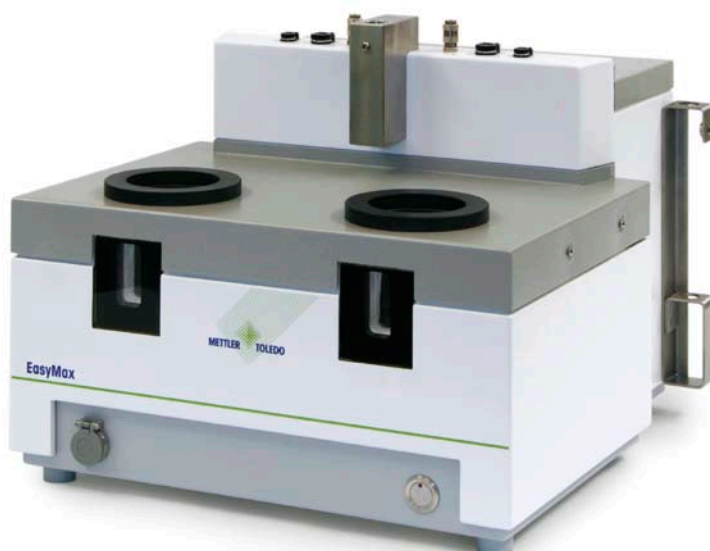


EasyMax™ Thermostat System

- Reactor zones with new thermostat technology
- Touchpad to eliminate training and learning curve
- Local data logging system for traceability and reproducibility

51 161 711 EasyMax™ thermostat system consisting of

Order number	Product description	Quantity
	EasyMax™ 102 reactor block	1
51 161 659	EasyMax™ touchpad	1
11 132 570	Protective cover for EasyMax™ touchpad	1
51 191 728	Pen for EasyMax™ touchpad	1
	USB memory stick for data export	1
51 710 591	EasyMax™ Operating Instructions	1
51 170 592	EasyMax™ Quickstart Guide	1
51 710 594	EasyMax™ Short Installation Instructions	1
51 170 596	EasyMax™ Installation Check Report	1
51 170 599	EasyMax™ Product Catalog/Packing List	1
	Factory Test Report	1
	CE Certificate	1
51 161 827	Flowmeter set	1
51 161 187	PVC tube for coolant	2
51 191 125	PVC tube, soft, for reflux condenser	1
51 161 186	PVC tube for gas inlet	1
51 191 915	Flow indicator for coolant	1
51 191 916	Reducing connector for purge gas tubing	1
51 190 324	Quick connect coupling for purge gas inlet	3
51 192 126	Hose clamp for PVC tube	4



EasyMax™ 102 reactor block available only in a set

Material	Powder-coated stainless steel with FEP/PFA coated cover plate
Heating/cooling	Solid state thermostat
Temperature mode	Jacket control, reaction mixture control, distillation (constant or ramp)
Temperature range	–40 °C to 180 °C, jacket temperature (TJ)
Stirring type	Built-in magnetic
Stirring speed	50 to 1000 rpm
Size	380 x 410 x 280 mm (w, d, h), 380 x 410 x 500 mm (w, d, h with overhead stirrer)
Weight	15 kg, including touchpad
Quantity	1



51 161 659	EasyMax™ touchpad
Material	PA, aluminum
Size	195 x 135 x 60 mm (w, d, h)
Quantity	1



11 132 570	Protective cover for EasyMax™ touchpad
Material	Barex® resin
Quantity	1



51 191 728	Pen for EasyMax™ touchpad
Size	length 140 mm
Quantity	1



	USB 2.0 memory stick for data export
Memory size	2 GB
Size	55 x 15 x 6 mm
Quantity	1

available on special request only



51 710 591	EasyMax™ Operating Instructions
51 710 592	EasyMax™ Quickstart Guide
51 710 594	EasyMax™ Short Installation Instructions
51 710 596	EasyMax™ Installation Check Report
51 710 599	EasyMax™ Product Catalog/Packing List
	Factory Test Report
	CE Certificate
Quantity	1 of each



51 161 827	Flowmeter set
	Flowmeter for water and for gas, including lab bar holder and water/gas inlet adapter
Material	Stainless steel, Acrylic, brass
Temperature	max. 65 °C
Quantity	1 gas flowmeter, 1 water flowmeter, 1 adapter for gas inlet Ø 4.8 mm 1/8" (for tubes inner Ø 4 mm), and 1 adapter for water inlet Ø 9.6 mm 1/4" (for tubes inner Ø 8/12mm) in a set



51 161 187	PVC tube for coolant
Material	PVC
Size	Ø 8/12 mm, length 2.5 m
Quantity	1

available on special request only



51 191 125	PVC tube, soft, for reflux condenser
Material	PVC
Size	Ø 8/12 mm, length 5 m
Quantity	1

available on special request only



51 161 186	PVC tube for gas inlet
Material	PVC
Size	Ø 4 mm, length 2 m
Quantity	1

available on special request only



51 191 915	Flow indicator for coolant
Material	SAN
Temperature	Max. 30 °C
Size	For tubes with inner Ø 6 to 9 mm
Quantity	1

available on special request only



51 191 916	Reducing connector for purge gas tubing
Material	PP
Temperature	Max. 30 °C
Size	For tubes with inner Ø 7 – 11 resp. 4 – 7 mm
Quantity	1

available on special request only



51 190 324	Quick connect coupling for purge gas inlet
Material	Stainless steel
Size	For tubes with inner Ø 4 mm
Quantity	1



51 192 126	Hose clamp for PVC tube
Material	Stainless steel
Size	D14 – 9.5 mm

available on special request only

EasyMax™ Thermostat System

Optional Accessories



51 161 099	Lab bar 600 x 14 mm
Material	Stainless steel, 1.4435
Size	Ø 14 mm x 600 mm
Quantity	1



103 472	Lab bar 300 x 14 mm
Material	Stainless steel, 1.4301
Size	Ø 14 mm x 300 mm
Quantity	1



51 161 803	Accessories holder set for two-piece reactor to be attached to the lab bar of your EasyMax™ system – for stirrer motor (ST14), for condensor (ST 4), for Tr sensor (ST10)
Material	Stainless steel, PTFE GF25
Size	Aperture 2 x ST14, 1 x ST10
Quantity	2 pcs in a set



51 161 804	Accessories holder set for one-piece reactor to be attached to the lab bar of your EasyMax™ system – for stirrer motor (ST 19), for condensor (ST19), for Tr sensor (ST 10)
Material	Stainless steel, PTFE GF25
Size	Aperture 2 x ST19, 1 x ST10
Quantity	2 pcs in a set

EasyMax™ 100 mL Glass Reactor Set



51 161 708 100 mL glass reactor set

The 100 mL reactor set has a starting volume of 15 mL, working volume of 100 mL and nominal volume of 150 mL for work up.

Both magnetic and overhead stirring possibilities are available.

EasyMax™ 100 mL glass reactor set consisting of

Order number	Product description	Quantity
51 161 620	100 mL glass reactor	1
51 161 676	Reactor holder for 100 mL reactor	1
51 161 670	Clamp chain for 100 mL reactor	1
51 191 913	O-ring for 100 mL reactor	1
51 191 918	Magnetic stir bar, cross-shaped	1



51 161 620	100 mL glass reactor EasyMax™ Rea-STD-GL-00-100-EM
Material	Borosilicate glass
Working volume	Max. 100 mL
Temperature	–40 °C to 180 °C
Size	inner Ø 52 mm, height 90 mm, wall 2.5 mm
Quantity	1



51 161 676	Reactor holder for 100 mL reactor
Material	PE
Quantity	1



51 161 670	Clamp chain for 100 mL reactor
Material	Stainless steel 1.4404, Glastherm HT 220 (Thermalite 220M)
Quantity	1



51 191 913	O-ring for 100 mL reactor
Material	Silicone rubber VQM, FEP-coated
Temperature	–60 °C to 200 °C
Size	Ø 56.82 x 2.62 mm; AS No. 140
Quantity	1



51 191 918	Magnetic stir bar, cross-shaped
Material	PTFE-coated
Size	Ø 38 mm x 15 mm
Quantity	1

EasyMax™ 100 mL Glass Cover Set



51 161 709

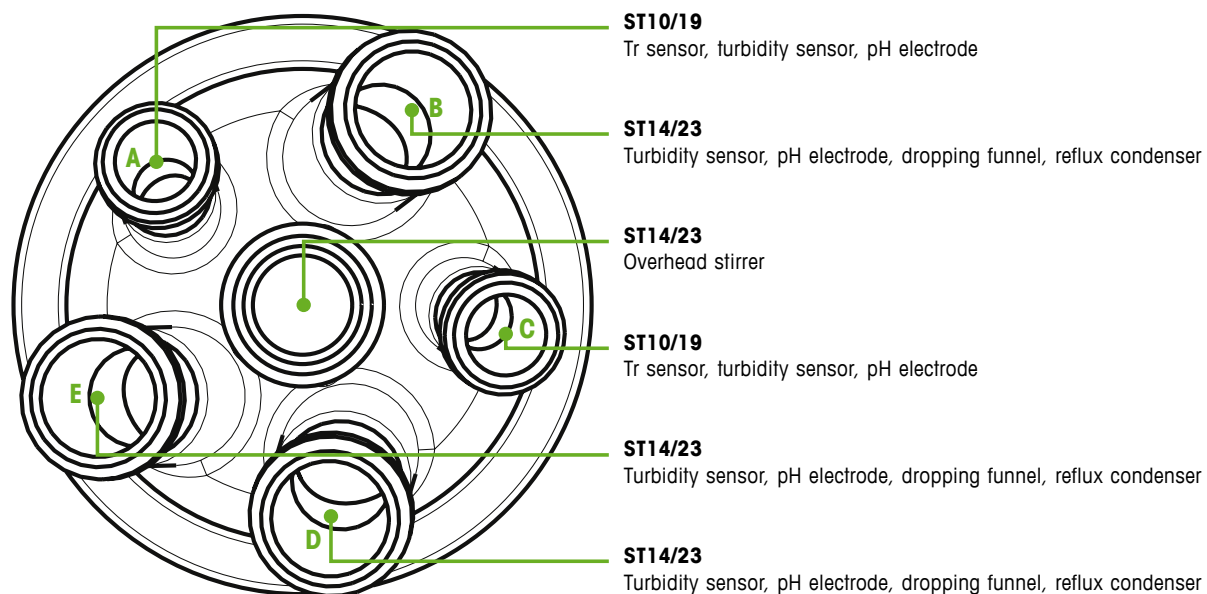
100 mL glass cover set

The 100 mL glass cover set with 6 openings is built for multiple applications without limitations for dosing, reflux, pH measurement, ReactIR, FBRM® or turbidity.

The set includes all adapters, stoppers, and clamps needed for full operation.

EasyMax™ 100 mL glass cover set consisting of

Order number	Product description	Quantity
51 161 619	6-port, 100 mL glass reactor cover	1
51 190 878	Glass stopper ST14/23	4
51 191 167	Glass stopper ST10/19	2
51 191 505	"Keck" clamp ST14	4
51 191 504	"Keck" clamp ST10	2
51 191 515	Nut for UNF 1/4 28, 4 pcs in a set	1
51 191 514	Ferrule for tubing and sensors of outer Ø 3.2 mm, 4 pcs in a set	1
51 161 728	Adapter ST 10/19 with 1 UNF 1/4 28 port	2
51 191 428	Hose connection for purge gas tubing	2
51 190 317	Screw cap GL14, with aperture	2
51 190 319	Plastic hose, straight	2
51 161 029	Reflux condenser for ST14/23 port	1



51 161 619 | **6-port, 100 mL glass reactor cover**
Cov-GL-00-0.1-6-port-EM

Material	Borosilicate glass
Temperature	–40 °C to 180 °C
Size	inner Ø 52 mm
Quantity	1



51 190 878 | **Glass stopper ST14/23**

Material	Glass
Quantity	1



51 191 167 | **Glass stopper ST10/19**

Material	Glass
Quantity	1



51 191 505	"Keck" clamp ST14
Material	POM
Quantity	1



51 191 504	"Keck" clamp ST10
Material	POM
Quantity	1



51 191 515	Nut for UNF 1/4 28 threads Plu-ETFE-UNF 1/4 28-3.2
Material	ETFE
Size	inner Ø max. 3.2 mm
Quantity	4 pcs in a set



51 191 514	Ferrule for tubing and sensors of outer Ø 3.2 mm Feru-ETFE-UNF 1/4 28-3.2
Material	ETFE
Size	outer Ø max. 3.2 mm
Quantity	4 pcs in a set



51 161 728	Adapter ST 10/19 with 1 UNF 1/4 28 port Ada-PTFE GF25-ST10-UNF1/4 28
Material	PTFE GF25
Quantity	1



51 191 428	Hose connection for purge gas tubing Ada-PP-UNF 1/4 28 - 4 mm
Material	PP
Size	For tube inner Ø 4 mm
Quantity	1



51 190 317	Screw cap GL14, with aperture
Material	PBT
Temperature	Max. 200 °C
Aperture	9.5 mm
Quantity	1



51 190 319	Plastic hose, straight with silicone rubber seal, for screw cap GL14
Material	PP, VQM
Size	For tube inner Ø 6 – 9 mm
Quantity	1



51 161 029	Reflux condenser for ST14/23 port with 2 GL14 connectors for coolant Ref-GL-24x140-ST14/23
Material	Borosilicate glass
Size	outer Ø 24 mm, height 140 mm
Quantity	1

EasyMax™ Teflon® Cover Set for 100 mL Reactor

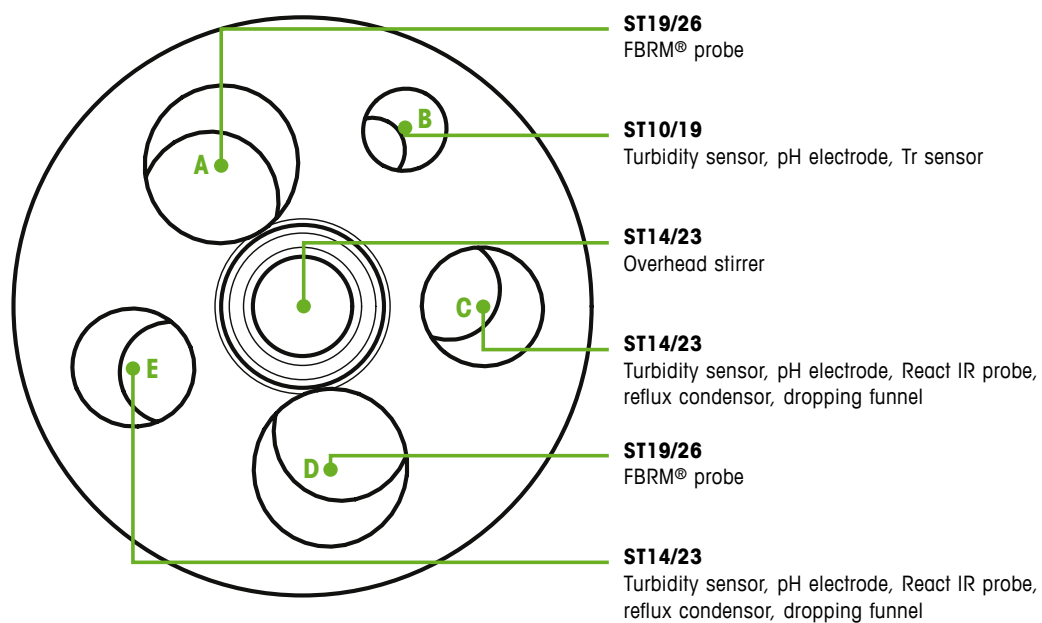


51 161 800 Teflon® cover set for 100 mL reactor

The teflon cover set is developed to combine EasyMax™ with IR and FBRM® probes.

EasyMax™ Teflon® cover set for 100 mL reactor consisting of

Order number	Product description	Quantity
51 161 795	Teflon cover for 100 mL reactor body (works only with the 50 mL stirrer 51161756)	1
51 191 167	Glass stopper ST10/19	1
51 190 878	Glass stopper ST14/23	3
71 517	Glass stopper ST 19/26	2
51 161 821	Adapter PTFE for FBRM® probe, ST19-14mm	1
51 191 857	O-Ring Kalrez® 13.95 x 2.62 mm	1
51 161 817	Adapter PTFE for React IR probe, ST14-9.5mm	1
51 192 091	O-Ring Kalrez® 9.19 x 2.62 mm	1
51 191 515	Nut for UNF 1/4 28, 4 pcs in a set	1
51 191 514	Ferrule for tubing and sensors of outer Ø 3.2 mm, 4 pcs in a set	1
51 161 728	Adapter ST 10/19 with 1xUNF 1/4 28 port	2
51 190 878	Glass stopper ST14/23	3
51 190 317	Screw cap GL14, with aperture	2
51 190 319	Plastic hose, straight	2
51 161 029	Reflux condenser for ST14/23 port	1



51 161 795	Teflon® cover for 100 mL reactor body works only with the 50 mL stirrer 51161756
Material	PTFE GF25
Quantity	1



71517	Glass stopper ST19/26
Material	Glass
Quantity	1



51 190 878	Glass stopper ST14/23
Material	Glass
Quantity	1



51 191 167	Glass stopper ST10/19
Material	Glass
Quantity	1



51 161 821	Adapter PTFE for FBRM® probe, ST19-14mm
Material	PTFE
Quantity	1

O-ring needed 51191857



51 191 857	O-Ring for FBRM® probe adapter
Material	FFKM
Size	Ø 13.95 x 2.62 mm
Quantity	1



51 161 817	Adapter PTFE for React IR probe, ST14-9.5mm
Material	PTFE
Quantity	1

O-ring needed 51192091



51 192 091	O-Ring for React IR probe adapter
Material	FFKM
Size	Ø 9.19 x 2.62 mm
Quantity	1



51 191 515	Nut for UNF 1/4 28 threads Plu-ETFE-UNF 1/4 28-3.2
Material	ETFE
Size	inner Ø max. 3.2 mm
Quantity	4 pcs in a set



51 191 514	Ferrule for tubing and sensors of outer Ø 3.2 mm Feru-ETFE-UNF 1/4 28-3.2
Material	ETFE
Size	outer Ø max. 3.2 mm
Quantity	4 pcs in a set



51 161 728	Adapter ST 10/19 with 1 UNF 1/4 28 port Ada-PTFE GF25-ST10-UNF1/4 28
Material	PTFE GF25
Quantity	1



51 190 317	Screw cap GL14, with aperture
Material	PBT
Temperature	max. 200 °C
Aperture	9.5 mm
Quantity	1



51 190 319	Plastic hose, straight with silicone rubber seal, for screw cap GL14
Material	PP, VQM
Size	for tube inner Ø 6 – 9 mm
Quantity	1



51 161 029	Reflux condenser for ST14/23 port with 2 GL14 connectors for coolant Ref-GL-24x140-ST14/23
Material	Borosilicate glass
Size	outer Ø 24 mm, height 140 mm
Quantity	1

EasyMax™

5-Port 100 mL One-Piece Glass Reactor Set



51 161 805

5-port 100 mL one-piece glass reactor set

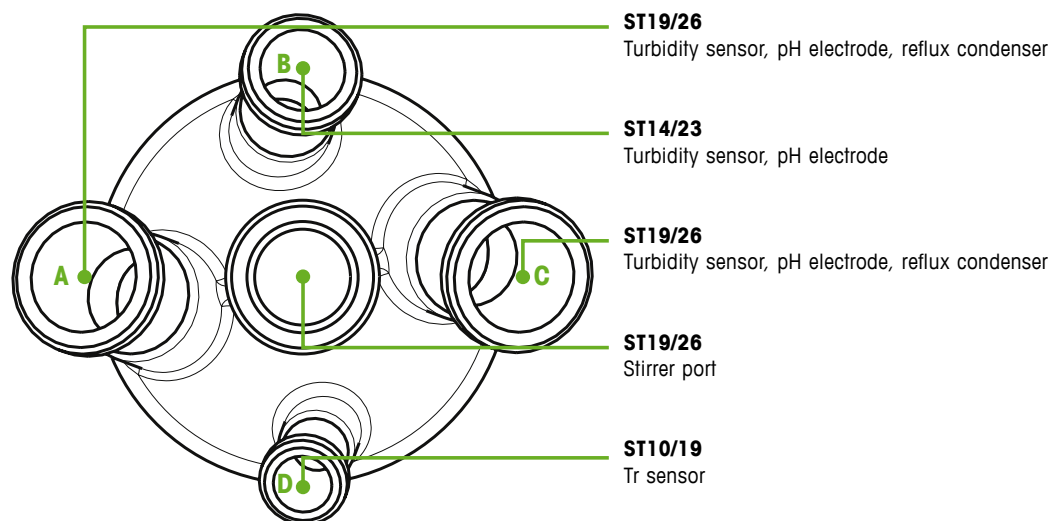
The one-piece reactor is developed to meet round bottom flask requirements so that standard lab material and handling can be used. The reactor has a starting volume of 15 mL, maximum working volume of 100 mL and a nominal volume of 180 mL.

Magnetic and overhead stirring (only with dedicated glass stirrer and blade) possibilities are available.

The ST14 hole can be used for inserting analytical probes

EasyMax™ 5-port 100 mL glass reactor set consisting of

Order number	Product description	Quantity
51 161 786	5-port 100 mL one-piece glass reactor	1
51 161 676	Reactor holder for 100 mL reactor	1
51 161 813	Glass stirrer shaft for 100 mL one-piece reactor	1
51 161 749	Stirrer blade	1
51 191 939	Magnetic stir bar 8 x 40 mm	1
51 161 822	Non-height adjustable stirrer adapter, ST19, including sealing ring	1
71 517	Glass stopper ST19/26	3
51 190 878	Glass stopper ST14/23	1
51 191 167	Glass stopper ST10/19	1
51 191 429	"Keck" clamp ST19	3
51 191 505	"Keck" clamp ST14	1
51 191 504	"Keck" clamp ST10	1
51 191 515	Nut for UNF 1/4 28, 4 pcs in a set	1
51 191 514	Ferrule for tubing and sensors of outer Ø 3.2 mm, 4 pcs in a set	1
51 161 728	Adapter ST10/19 with 1 UNF 1/4 28 port	1



51 161 786	5-port 100 mL one-piece glass reactor 3x ST19, 1x ST14, 1x ST10 Rea-Op-GL-00-100-5Port
Material	Borosilicate glass
Working volume	Max. 180 mL
Temperature	–40 °C to 180 °C
Size	inner Ø 52 mm, height 150 mm, wall 2.5 mm
Quantity	1



51 161 676	Reactor holder for 100 mL reactor
Material	PE
Quantity	1



51 161 813	Glass stirrer for 100 mL one-piece reactor Sti-Sha-GL-8-192
Material	Glass
Size	Ø 8 mm, length 192 mm
Quantity	1

51 161 749	Stirrer blade STI-PL-PTFE-15-40
Material	PTFE
Size	15 x 40 mm
Quantity	1



51 191 939	Magnetic stir bar 8 x 40 mm
Material	PTFE-coated
Size	Ø 8 mm, length 40 mm
Quantity	1



51 161 822	Non-height adjustable stirrer adapter, ST19 including sealing ring
Material	PEEK adapter, PTFE/FPM sealing ring
Quantity	1

Available only as a set with sealing ring 51191375



51 191 375	Sealing ring for stirrer adapter BOLA-sealing
Material	PTFE/FPM
Quantity	1



71 517	Glass stopper ST19/26
Material	Glass
Quantity	1



51 190 878	Glass stopper ST14/23
Material	Glass
Quantity	1



51 191 167	Glass stopper ST10/19
Material	Glass
Quantity	1



51 191 429	"Keck" clamp ST19
Material	POM
Quantity	1



51 191 505	"Keck" clamp ST14
Material	POM
Quantity	1



51 191 504	"Keck" clamp ST10
Material	POM
Quantity	1



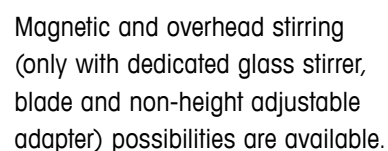
51 191 515	Nut for UNF 1/4 28 threads Plu-ETFE-UNF 1/4 28-3.2
Material	ETFE
Size	outer Ø max. 3.2 mm
Quantity	4 pcs in a set



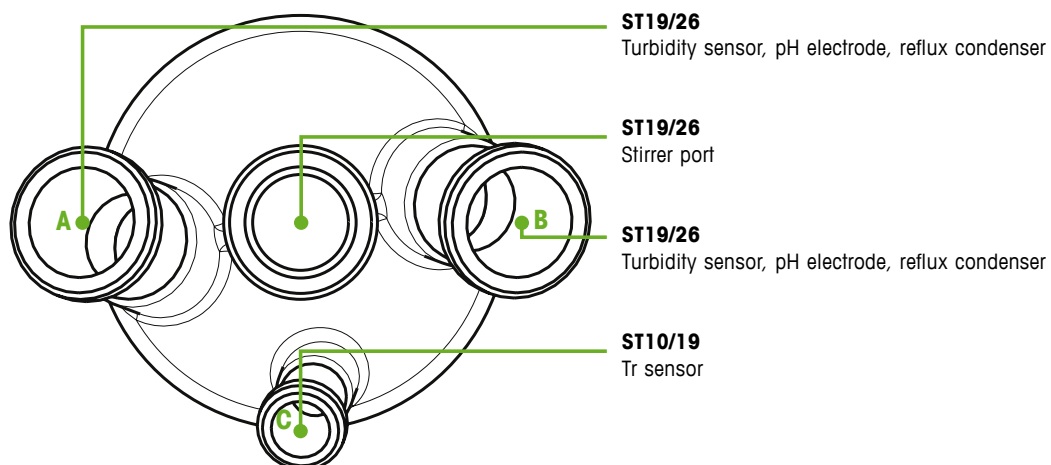
51 191 514	Ferrule for tubing and sensors of outer Ø 3.2 mm Feru-ETFE-UNF 1/4 28-3.2
Material	ETFE
Size	outer Ø max. 3.2 mm
Quantity	4 pcs in a set



51 161 728	Adapter ST10/19 with 1 UNF 1/4 28 port Ada-PTFE GF25-ST10-UNF1/4 28
Material	PTFE GF25
Quantity	1



24



51 161 747 | **4-port 100 mL one-piece glass reactor**
3x ST19, 1x ST10
REA-OP-GL-00-100-4Port

Material	Borosilicate glass
Working volume	max. 180 mL
Temperature	–40 °C to 180 °C
Size	inner Ø 52 mm, height 150 mm, wall 2.5 mm
Quantity	1



51 161 676 | **Reactor holder for 100 mL reactor**

Material	PE
Quantity	1



51 161 813 | **Glass stirrer shaft for 100 mL one-piece reactor**
STI-SHA-GL-8-192

Material	Glass
Size	Ø 8 mm, length 192 mm
Quantity	1

51 161 749 | **Stirrer blade**
STI-PL-PTFE-15-40

Material	PTFE
Size	15 x 40 mm
Quantity	1



51 191 939	Magnetic stir bar 8 x 40 mm
Material	PTFE-coated
Size	Ø 8 mm, length 40 mm
Quantity	1



51 161 822	Non-height adjustable stirrer adapter, ST19 including sealing ring
Material	PEEK adapter, PTFE/FPM sealing ring
Quantity	1

Available only as a set with sealing ring 51191375



51 191 375	Sealing ring for stirrer adapter BOLA-sealing
Material	PTFE/FPM
Quantity	1



71 517	Glass stopper ST19/26
Material	Glass
Quantity	1



51 191 167	Glass stopper ST10/19
Material	Glass
Quantity	1



51 191 429	"Keck" clamp ST19
Material	POM
Quantity	1



51 191 504	"Keck" clamp ST10
Material	POM
Quantity	1



51 191 515	Nut for UNF 1/4 28 thread Plu-ETFE-UNF 1/4 28-3.2
Material	ETFE
Size	outer Ø max. 3.2 mm
Quantity	4 pcs in a set



51 191 514	Ferrule for tubing and sensors of outer Ø 3.2 mm Feru-ETFE-UNF 1/4 28-3.2
Material	ETFE
Size	outer Ø max. 3.2 mm
Quantity	4 pcs in a set



51 161 728	Adapter ST10/19 with UNF 1/4 28 thread Ada-PTFE GF25-ST10-UNF1/4 28
Material	PTFE GF25
Quantity	1

EasyMax™**5-Port 50 mL One-Piece Glass Reactor Set****51 161 838****5-port 50 mL one-piece glass reactor set**

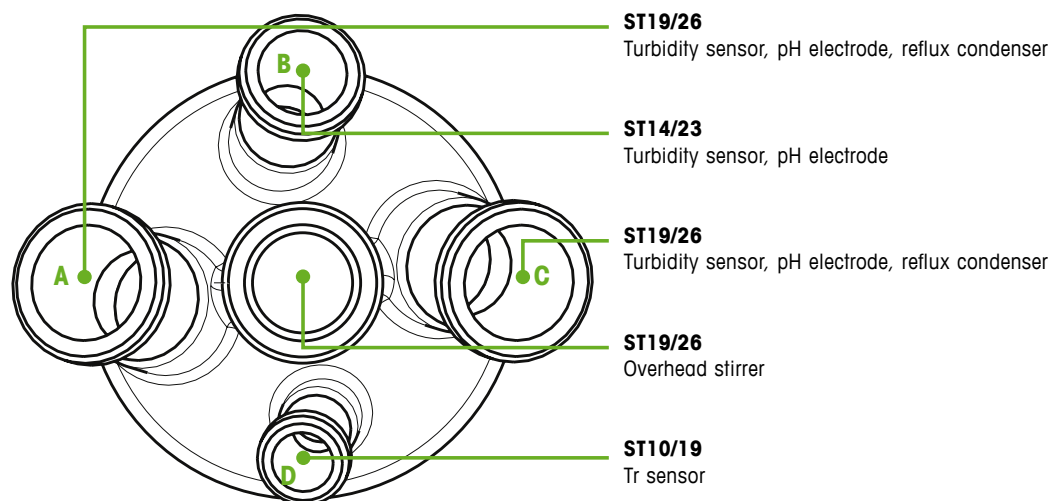
The one piece reactor is developed to meet round bottom flask requirements so that standard lab material and handling can be used.

The reactor has a starting volume of 10 mL, maximum working volume of 50 mL and a nominal volume of 100 mL.

Magnetic and overhead stirring (only with dedicated glass stirrer and blade) possibilities are available.

EasyMax™ 5-port 50 mL glass reactor set consisting of

Order number	Product description	Quantity
51 161 792	5-port 50 mL one piece glass reactor 3 x ST19, 1 x ST14, 1 x ST10	1
51 161 813	Glass stirrer shaft for 50 mL one-piece reactor, 8-192 mm	1
51 161 814	Stirrer blade, 15-26	1
51 190 791	Magnetic stir bar 13 x 30 mm	1
51 161 816	Reactor holder for 50 mL reactor	1
51 161 815	Reducing part for 50 mL	1
51 161 822	Non-height adjustable stirrer adapter, ST19, including sealing ring	1
71 517	Glass stopper ST19/26	3
51 190 878	Glass stopper ST14/23	1
51 191 167	Glass stopper ST10	1
51 191 429	"Keck" clamp ST19	3
51 191 505	"Keck" clamp ST14	1
51 191 504	"Keck" clamp ST10	1
51 191 515	Nut for UNF 1/4 28, 4 pcs in a set	1
51 191 514	Ferrule for tubing and sensors of outer Ø 3.2 mm, 4 pcs in a set	1
51 161 728	Adapter ST10/19 with 1 UNF 1/4 28	1



51 161 792

5-port 50 mL one piece glass reactor

3 x ST19, 1 x ST14, 1 x ST10

Rea-Op-GL-00-50-5Port

Material	Glass
Working volume	Max. 50 mL
Temperature	–40 °C to 180 °C
Size	inner Ø 43 mm, height 150 mm, wall 2.5 mm
Quantity	1



51 161 816

Reactor holder for 50 mL reactor

Material	PE
Quantity	1



51 161 813

Glass stirrer shaft for 50 mL one-piece reactor

STI-SHA-GL-8-192

Material	Glass
Size	Ø 8 mm, length 192 mm
Quantity	1

51 161 814

Stirrer blade, 15-26

STI-PI-PTFE-15-26

Material	PTFE
Size	15 x 26 mm
Quantity	1



51 161 815	Reducing part for 50 mL
Material	Aluminium
Quantity	1



51 190 791	Magnetic stir bar 13 x 30 mm
Material	PTFE coated
Size	Ø 13 x 30 mm
Quantity	1



51 161 822	Non-height adjustable stirrer adapter, ST19 including sealing ring
Material	PEEK adapter, PTFE/FPM sealing ring
Quantity	1

Available only as a set with sealing ring 51191375



51 191 375	Sealing ring for stirrer adapter BOLA-sealing
Material	PTFE/FPM
Quantity	1



71 517	Glass stopper ST19/26
Material	Glass
Quantity	1



51 190 878	Glass stopper ST14/23
Material	Glass
Quantity	1



51 191 167	Glass stopper ST10/19
Material	Glass
Quantity	1



51 191 429	"Keck" clamp ST19
Material	POM
Quantity	1



51 191 505	"Keck" clamp ST14
Material	POM
Quantity	1



51 191 504	"Keck" clamp ST10 KE
Material	POM
Quantity	1



51 191 514	Ferrule for tubing and sensors of outer Ø 3.2 mm Feru-ETFE-UNF 1/4 28-3.2
Material	ETFE
Size	outer Ø max. 3.2 mm
Quantity	4 pcs in a set



51 191 515	Nut for UNF 1/4 28 threads Plu-ETFE-UNF 1/4 28-3.2
Material	ETFE
Size	outer Ø max. 3.2 mm
Quantity	4 pcs in a set



51 161 728	Adapter ST10/19 with 1 UNF 1/4 28 port Ada-PTFE GF25-ST10-UNF1/4 28
Material	PTFE GF25
Quantity	1

EasyMax™ 50 mL Glass Reactor Set



51 161 712 50 mL glass reactor set

The 50 mL reactor set has a starting volume of 25 mL, working volume of 50 mL, and nominal volume of 70 mL for work up. Both magnetic and overhead stirring possibilities are available.

A special sleeve with window provides visibility into the mixture.

EasyMax™ 50 mL glass reactor set consisting of

Order number	Product description	Quantity
51 161 255	50 mL round-bottom reactor	1
51 160 675	Reactor clamp for 50 mL reactor	1
51 161 716	Receptacle for 50 mL reactor	1
51 161 718	Fixing ring for receptacle	1
51 161 288	Reactor holder for 50 mL reactor	1
51 191 416	O-Ring for 50 mL glass reactor	1
51 191 919	Magnetic stir bar, cross-shaped	1



51 161 255	Rea-round-GL-00-50 50 mL round-bottom reactor
Material	Borosilicate glass
Working volume	Max. 50 mL
Temperature	–40 °C to 180 °C
Size	inner Ø 36 mm, height 74.5 mm, wall 1.5 mm
Quantity	1



51 160 675	Reactor clamp for 50 mL reactor
Material	Carbon-filled PTFE
Quantity	1



51 161 716	Receptacle for 50 mL reactor
Material	Aluminium
Quantity	1



51 161 718	Fixing ring for receptacle
Material	PTFE C25
Quantity	1



51 161 288	Reactor holder for 50 mL glass reactor or 50 mL glass cover
Material	PE
Quantity	1



51 191 416	O-Ring for 50 mL glass reactor
Material	FFKM (Kalrez® 6375)
Size	36.14 x 2.62 mm, AS No. 113
Quantity	1



51 191 919	Magnetic stir bar, cross-shaped
Material	PTFE-coated
Size	Ø 25 mm, height 10 mm
Quantity	1

EasyMax™ 50 mL Glass Cover Set



51 161 713

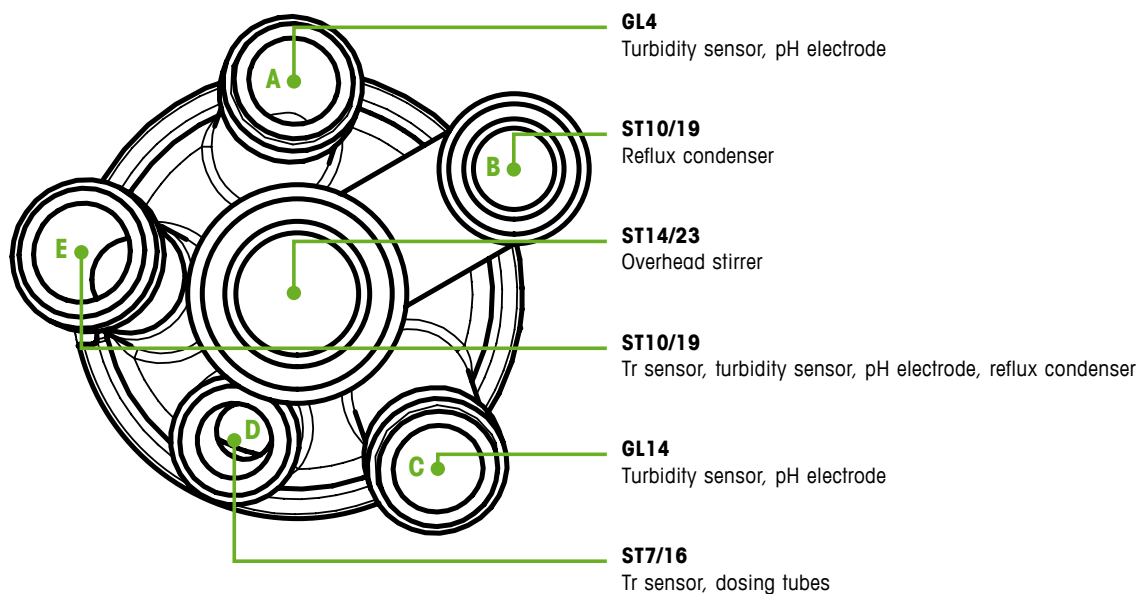
50 mL glass cover set

The 50 mL glass cover set with 6 openings is built for multiple applications without limitations for dosing, reflux, pH measurement, ReactIR, or turbidity.

The set includes all adapters, stoppers, and clamps needed for full operation.

EasyMax™ 50 mL glass cover set consisting of

Order number	Product description	Quantity
51 160 817	Glass cover for 50 mL reactor	1
51 190 878	Glass stopper ST14/23	1
51 191 167	Glass stopper ST10/19	2
51 190 877	Glass stopper ST7/16	1
51 190 879	Clamp ST7	1
51 191 505	"Keck" clamp ST14	1
51 191 504	"Keck" clamp ST10	2
51 190 318	Screw cap GL14, closed	2
51 191 170	Silicone rubber seal (septum)	1
51 190 317	Screw cap GL14, with aperture	5
51 103 947	Silicone rubber sealing ring, outer Ø 12 mm, aperture 6 mm	1
51 191 515	Nut for UNF 1/4 28 threads, 4 pcs in a set	1
51 191 514	Ferrule for tubing outer Ø 3.2 mm, 4 pcs in a set	1
51 160 200	Adapter ST 7/16 with 1 UNF 1/4 28 port	1
51 190 319	Plastic hose, straight	2
51 161 728	Adapter ST10/19 with 1 UNF 1/4 28 port	1
51 191 267	Glass adapter ST14/23 GL14	1
51 160 813	Reflux condenser for ST 10 port	1



51 160 817

Glass cover for 50 mL reactor
6-port, 50 mL glass reactor cover

Material	Borosilicate glass
Temperature	–40 °C to 180 °C
Size	inner Ø 36 mm
Quantity	1



51 190 878

Glass stopper ST14/23

Material	Glass
Quantity	1



51 191 167

Glass stopper ST10/19

Material	Glass
Quantity	1



51 190 877	Glass stopper ST7/16
Material	Glass
Quantity	1



51 190 879	Clamp ST7
Material	Stainless steel
Quantity	1



51 191 505	"Keck" clamp ST14
Material	POM
Quantity	1



51 191 504	"Keck" clamp ST10
Material	POM
Quantity	1



51 190 318	Screw cap GL14, closed with PTFE sealing
Material	PBT
Temperature	Max. 200 °C
Quantity	1



51 191 170	Silicone rubber seal (septum) for screw cap GL14
Material	Silicone rubber VQM
Size	Ø 12 mm, thickness 2 mm
Quantity	1



51 190 317	Screw cap GL14, with aperture
Material	PBT
Temperature	Max. 200 °C
Aperture	9.5 mm
Quantity	1



51 103 947	Silicone rubber sealing ring with vulcanized-on PTFE washers for GL14 caps and sensors with outer Ø 6 mm
Material	Silicone rubber VQM, PTFE-coated
Size	Ø 12 mm, aperture 6 mm
Quantity	1



51 191 514	Ferrule for tubing and sensors of outer Ø 3.2 mm Feru-ETFE-UNF 1/4 28-3.2
Material	ETFE
Size	outer Ø max. 3.2 mm
Quantity	4 pcs in a set



51 191 515	Nut for UNF 1/4 28 threads Plu-ETFE-UNF 1/4 28-3.2
Material	ETFE
Size	outer Ø max. 3.2 mm
Quantity	4 pcs in a set



51 160 200	Adapter ST7/16 with 1 UNF 1/4 28 port Ada-PTFE GF25-ST7-UNF 1/4 28
Material	PTFE GF25
Quantity	1



51 190 319	Plastic hose, straight with silicone rubber seal, for screw cap GL14
Material	PP, VQM
Size	For tube inner Ø 6 – 9 mm
Quantity	1



51 161 728	Adapter ST10/19 with 1 UNF 1/4 28 port Ada-PTFE GF25-ST10-UNF1/4 28
Material	PTFE GF25
Quantity	1



51 191 267	Glass adapter ST14/23-GL14 Ada-GL-ST14-GL14
Material	Glass
Size	height 54 mm
Quantity	1



51 160 813	Reflux condenser for ST10 ports with GL14 connectors for coolant and septum Ref-GL-20x101-ST10/19
Material	Glass
Quantity	1

EasyMax™ 50 mL Reactor

Optional Accessories



51 161 547 | Set of knurled screws with washers
for 50 mL reactor clamp

Material	Stainless steel
Quantity	8 pcs of each

EasyMax™ 25 mL Glass Reactor Set



51 161 854 25 mL glass reactor set for screening

The 25 mL reactor provides you with the possibility to increase the screening functionality in 6 reactions in 2 different temperature zones from 3 to 25 mL.

EasyMax™ 25 mL glass reactor set for screening consisting of

Order number	Product description	Quantity
51 161 853	Reagent tube 25 mL GL18, glass	6
51 161 634	Receptacle 3 x 25 mL, aluminium	1
51 192 096	Magnetic stir bar 5 x 15 mm	3
51 191 400	Screw cap GL18	6
51 191 399	Septum-Set GL18, 10 pcs in a set	1



51 161 853	Reagent tube 25 mL GL18
Material	Glass
Working volume	Max. 30 mL
Size	inner Ø 18,4 mm, outer Ø 22 mm, wall 1.8 mm, height 120 mm
Quantity	1



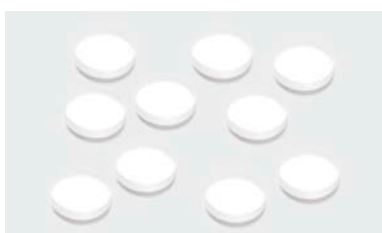
51 161 634	Receptacle 3 x 25 mL
Material	Aluminium
Quantity	1



51 192 096	Magnetic stir bar 5 x 15 mm
Material	PTFE coated
Size	Ø 5 mm, length 15 mm
Quantity	1



51 191 400	Screw cap GL18, with aperture
Material	PBT
Temperature	Max. 200 °C
Aperture	11 mm
Quantity	10 pcs in a set



51 191 399	Silicone rubber seal (septum) for use with screw cap GL18
Material	Silicone rubber VQM
Size	outer Ø 12 mm, thickness 2 mm
Quantity	10 pcs in a set

EasyMax™ 10 mL Glass Reactor Set



51 161 714 10 mL glass reactor set

The 10 mL reactor set provides you with the possibility to screen 8 reactions in 2 different temperature zones from 1 to 5 mL scale.

Of course, you can use standard screening tubes with the sleeve.

EasyMax™ 10 mL glass reactor set consisting of

Order number	Product description	Quantity
51 161 285	Reagent tube 18 x 180 mm with GL18 thread, 10 pcs in a set	1
51 161 635	Receptacle for 4 x 10 mL reagent tubes	1
51 191 324	Magnetic stir bar	4
51 191 400	Screw cap GL18, with aperture, 10 pcs in a set	1
51 191 399	Septum-Set GL18, 10 pcs in a set	1



51 161 285

Reagent tube 18 x 180 mm with GL18 thread
incl. GL18 screw cap with PTFE sealing

Material	Borosilicate glass
Working volume	Max. 5 mL
Size	Ø 18 mm, height 180 mm
Quantity	10 pcs in a set



51 161 635

Receptacle for 4 x 10 mL reagent tubes
for 4 reagent tubes with inner Ø of 18.2 mm

Material	Aluminium
Quantity	1



51 191 324

Magnetic stir bar

Material	PTFE-coated
Size	Ø 7 mm, length 10 mm
Quantity	1



51 191 400

Screw cap GL18, with aperture

Material	PBT
Temperature	Max. 200 °C
Aperture	11 mm
Quantity	10 pcs in a set



51 191 399

Silicone rubber seal (septum)
for use with screw cap GL18

Material	Silicone rubber VQM
Size	outer Ø 12 mm, thickness 2 mm
Quantity	10 pcs in a set

EasyMax™ Overhead Stirrer Set



51 161 700 Overhead stirrer set

The overhead stirrer set will allow you to run very viscous mixtures or do crystallization studies in the speed range from 50 to 1000 rpm. The new principle (patent pending) allows you to have your blade at 5 different heights depending on the application need with a press on the button.

The newly designed motor and coupling allows very fast connect and disconnect of the motor.

EasyMax™ overhead stirrer set consisting of

Order number	Product description	Quantity
	EasyMax™ stirrer motor	1
51 161 654	Height adjustment unit for stirrer adapter, incl. O-ring	1
51 161 731	Stirrer adapter ST14/23	1
51 191 375	Sealing ring for stirrer adapter (1 piece already fitted)	2
51 161 651	Chuck, PTFE C25	1
51 161 652	Clamping nut	1
51 191 376	Washer for stirrer adapter	2



	EasyMax™ stirrer motor with coupling
Material	Aluminum anodized (flange), stainless steel (upper coupling)
Speed	50 to 1000 rpm
Quantity	1

available on special request only



	51 161 654 Height adjustment unit for stirrer adapter
	Upper part for height adjustment, incl. O-ring
Material	PEEK
Quantity	1

available on special request only



	51 161 731 Stirrer adapter ST14/23, lower part
	Ada-Sti-PEEK-ST14-EM
Material	PEEK
Quantity	1

available on special request only



	51 191 375 Sealing ring for stirrer adapter
Material	PTFE/FPM
Size	Ø 16 mm, thickness 5 mm, aperture 8 mm
Quantity	1



	51 161 652 Clamping nut
Material	Aluminum anodized
Quantity	1



	51 161 651 Chuck, PTFE C25
	For stirrer shafts with outer Ø 8 mm
Material	PTFE C25
Quantity	1



51 191 376	Washer for stirrer adapter
Material	PA
Size	Ø 16 mm, thickness 2 mm, aperture 8 mm
Quantity	1

EasyMax™ Overhead Stirrer

Optional Accessories



51 161 701	EasyMax™ stirrer motor without coupling
Material	Stainless steel (upper coupling)
Speed	50 to 1000 rpm
Quantity	1



51 161 360	Set of upper stirrer coupling comprising upper coupling and 2 threaded pins
Material	Stainless steel, 1.4301
Quantity	1

available on special request only



71 652	O-ring for stirrer adapter
Material	FPM
Size	21.89 x 2.62 mm, AS No. 118
Quantity	1

EasyMax™ Overhead Stirrer

Accessories

- Hastelloy® C22 or glass material
- Multiple-blades available
- Different shafts available



51 161 756 | **Stirrer shaft for 50 mL EasyMax™ reactor**
in combination with the Teflon cover set
Sti-Sha-C22-8-218-M3-EM

Material	HC-22
Size	outer Ø 8/6 mm, length 218 mm
Quantity	1



51 161 356 | **Pitched-blade element**
upward, 4 impellers, 45°, for 50 mL and 100
mL EasyMax™ reactors
Sti-Bla-Pb-C22-25-U

Material	HC-22
Size	outer Ø 25 mm
Quantity	1



51 161 549 | **Pitched-blade element**
downward, 4 impellers, 45°, for 50 mL and
100 mL EasyMax™ reactors
Sti-Bla-Pb-C22-25-D

Material	HC-22
Size	outer Ø 25 mm
Quantity	1



51 161 364 | **Rushton turbine blade**
for 50 mL and 100 mL EasyMax™ reactors
Sti-Bla-Rush-C22-25

Material	HC-22
Size	outer Ø 25 mm
Quantity	1



51 161 723 | **Stirrer shaft for 100 mL EasyMax™ reactor**
Sti-Sha-C22-8-258-M3-EM

Material	HC-22
Size	Ø 8 mm, length 258 mm
Quantity	1



51 162 418 | **Pitched-blade element**
downward, 45°, 4 impellers 45°, for 100 mL
EasyMax™ reactor
Sti-Bla-Pb-C22-35-D

Material	HC-22
Size	outer Ø 35 mm
Quantity	1



51 161 724 | **Anchor blade**
for 100 mL EasyMax™ reactor
Sti-Bla-Anc-C22-48

Material	HC-22
Size	outer Ø 48 mm, height 55 mm
Quantity	1



51 161 725 | **Pitched-blade stirrer**
upward, 45°, for 100 mL EasyMax™ reactor
Sti-Pb-GL-30/250-U

Material	Glass
Size	outer Ø 30 mm
Quantity	1



51 161 726 | **Pitched-blade stirrer**
downward, 45°, for 100 mL EasyMax™
reactor
Sti-Pb-GL-30/250-D

Material	Glass
Size	outer Ø 30 mm
Quantity	1



51 161 727 | **Anchor stirrer**
for 100 mL EasyMax™ reactor
Sti-Anc-GL-48/261

Material	Glass
Size	outer Ø 48 mm, height 55 mm, length 261 mm
Quantity	1

Dosing Unit SP-50 Set



51 161 770

Dosing unit SP-50 set

This unit will allow you to dose 1 reagent in 2 reactors completely independent and in parallel via touchpad or PC software.

Only available in the set.

Dosing unit SP-50 set consisting of

Order number	Product description	Quantity
	Dosing Unit SP-50, only available in the set	1
51 109 886	CAN cable 60 cm	1
51 191 306	PTFE dosing tube Ø 3.2 mm	3
51 191 304	PTFE dosing tube Ø 1.6 mm	2
51 191 515	Nut for UNF 1/4 28 threads, outer Ø max. 3.2 mm , 4 pcs in a set	1
51 191 514	Ferrule for tubing and sensors of outer Ø 3.2 mm, 4 pcs in a set	1
51 191 204	Plug for UNF 1/4 28 threads, 4 pcs in a set	1
51 191 203	Nut for UNF 1/4 28 threads, outer Ø max. 1.6 mm, 4 pcs in a set	1
51 191 202	Ferrule for tubing and sensors of outer Ø 1.6 mm, 4 pcs in a set	1
51 191 267	Glass adapter ST14/23-GL14	2
51 190 318	Screw cap GL14, closed	3
51 191 170	Silicone rubber seal (septum), 10 pcs in a set	1
51 191 591	Bottle GL45 250 mL	1
51 191 972	Distributor cap GL45 2x GL14	1
51 161 558	Adapter GL14-UNF	3
51 190 317	Screw cap GL14, with aperture	3
51 103 947	Silicone rubber sealing ring, outer Ø 12 mm, aperture 6 mm	6
51 191 687	Assorted heat-shrink tubings, 8 pcs in a set	1
51 710 599	EasyMax™ product catalog / packing list	1
51 710 710	EasyMax™ operating instructions	1
	EasyMax™ factory test report	1



	Dosing unit SP-50 only available in the set
Quantity	1



51 109 886	CAN cable 60 cm
Size	length 60 cm
Quantity	1



51 191 306	PTFE dosing tube Ø 3.2 mm
Material	PTFE
Size	Ø 3.2 mm, length 2.5 m
Quantity	1



51 191 304	PTFE dosing tube Ø 1.6 mm
Material	PTFE
Size	Ø 1.6 mm, length 2.5 m
Quantity	1



51 191 515	Nut for UNF 1/4 28 threads Plu-ETFE-UNF 1/4 28-3.2
Material	ETFE
Size	outer Ø max. 3.2 mm
Quantity	4 pcs in a set



51 191 514	Ferrule for tubing and sensors of outer Ø 3.2 mm Feru-ETFE-UNF 1/4 28-3.2
Material	ETFE
Size	outer Ø max. 3.2 mm
Quantity	4 pcs in a set



51 191 204 | **Plug for UNF 1/4 28 threads**
Plu-ETFE-UNF 1/4 28

Material	ETFE
Size	outer Ø max. 1.6 mm
Quantity	4 pcs in a set



51 191 203 | **Nut for UNF 1/4 28 threads**
Plu-ETFE-UNF 1/4 28-1.6

Material	ETFE
Size	outer Ø max. 1.6 mm
Quantity	4 pcs in a set



51 191 202 | **Ferrule for tubing and sensors
of outer Ø 1.6 mm**
Feru-ETFE-UNF 1/4 28-1.6

Material	ETFE
Size	outer Ø max. 1.6 mm
Quantity	4 pcs in a set



51 191 267 | **Glass adapter ST14/23-GL14**
Ada-GL-ST14-GL14

Material	Glass
Size	height 54 mm
Quantity	1



51 190 318 | **Screw cap GL14, closed**
with PTFE sealing

Material	PBT
Temperature	max. 200 °C
Quantity	1



51 191 170 | **Silicone rubber seal (septum)**
for screw cap GL 14s
10 pcs in a set

Material	Silicone rubber VQM
Size	Ø 12 mm, thickness 2 mm
Quantity	1



51 191 591	Bottle GL45 250 mL with cap
Material	Glass, PP
Quantity	1



51 191 972	Distributor cap GL45 2x GL14
Material	PP
Quantity	1



51 161 558	Adapter GL14-UNF
Material	PTFE GF25
Size	36.14 x 2.62 mm
Quantity	1



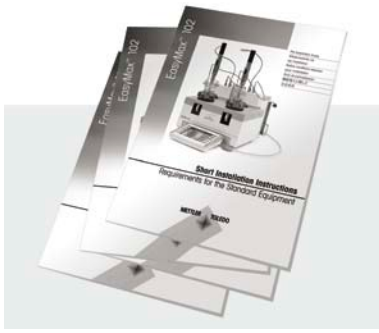
51 190 317	Screw cap GL14, with aperture
Material	PBT
Temperature	max. 200 °C
Aperture	9.5 mm
Quantity	1



51 103 947	Silicone rubber sealing ring with vulcanized-on PTFE washers for GL14 caps and sensors with outer Ø 6 mm
Material	Silicone rubber VQM, PTFE-coated
Size	Ø 12 mm, aperture 6 mm
Quantity	1



51 191 687	Assorted heat-shrink tubings 8 pcs in a set
Material	Polyolefin
Quantity	1



51 161 710	EasyMax™ Operating Instructions
51 710 599	EasyMax™ Product Catalog/Packing List
	Factory Test Report
Quantity	1 of each

Dosing Unit SP-50

Syringes

- Flexible volumes from 1, 10, 25, and 50 mL syringes
- Automatic refill of syringes possible with Dosing Unit SP-50
- Interchangeable at all times during an experiment



51 191 793	Syringe 1 mL
Material	Glass, PTFE, metal
Volume	1 mL
Quantity	1



51 191 792	Syringe 10 mL
Material	Glass, PTFE, metal
Volume	10 mL
Quantity	1



51 191 794	Syringe 25 mL
Material	Glass, PTFE, metal
Volume	25 mL
Quantity	1



51 191 987	Syringe 50 mL
Material	Glass, PTFE, metal
Volume	50 mL
Quantity	1

EasyMax™ 3-Way Dosing Adapter Set



51 161 834

3-way dosing adapter set

This adapter set allows you to connect 3 dosing channels to the reactor.

EasyMax™ 3-way dosing adapter set consisting of

Order number	Product description	Quantity
51 162 615	3-way glass adapter	1
51 190 318	Screw cap GL14, closed	2
51 161 558	Adapter GL14-UNF	2
51 190 317	Screw cap GL14, with aperture	3
51 103 947	Silicone rubber sealing ring, outer Ø 12 mm, aperture 6 mm	3
51 191 203	Nut for UNF 1/4 28 threads, outer Ø max. 1.6 mm, 4 pcs in a set	1



51 162 615

3-way glass adapter
ADA-3 x ST14 GL14

Material	Borsilicate glass
Temperature	-40 °C to 180 °C
Quantity	1



51 190 318

Screw cap GL14, closed
with PTFE sealing

Material	PBT
Temperature	max. 200 °C
Quantity	1



51 161 558

Adapter GL14-UNF

Material	PTFE GF25
Size	36.14 x 2.62 mm
Quantity	1



51 190 317

Screw cap GL14, with aperture

Material	PBT
Temperature	max. 200 °C
Aperture	9.5 mm
Quantity	1



51 103 947

Silicone rubber sealing ring
with vulcanized-on PTFE washers
for GL14 caps and sensors
with outer Ø 6 mm

Material	Silicone rubber VQM, PTFE-coated
Size	Ø 12 mm, aperture 6 mm
Quantity	1



51 191 203

Nut for UNF 1/4 28 threads
Plu-ETFE-UNF 1/4 28-1.6
(set of 4 pcs)

Material	ETFE
Size	outer Ø max. 1.6 mm
Quantity	1

EasyMax™ General Accessories

- Bubble counter set
- Purge set SP-50
- Pt100 temperature sensor



51 161 802

Bubble counter set

The bubble counter set allows you to regulate your inertisation of your reactors via a gas regulation valve.

51 161 802

Bubble counter set

Bubble counter glass (for tubes inner Ø 4 mm), magnetic holder, and gas regulation valve Ø 6 mm-1.8"

Material	PET, Borsilicate glass, PA
Temperature	–40 °C to 180 °C
Quantity	2 of each in a set



51 161 778
Purge set SP-50

With this purge set you are able to purge your dosing unit DUSP-50.
 Available only as a set.

51 161 778

Purge set SP-50

Quick connect coupling for purge gas inlet (for tubes inner Ø 4 mm), PVC tube for gas inlet (inner Ø 4 mm, length 2 m), reducing connector for purge gas tubing (for tubes inner Ø 7-11 mm and 4-7 mm)

Material	Stainless steel, PVC, PP
Temperature	PP max 30 °C
Quantity	1 of each in a set



51 161 730
Pt100 temperature sensor,
Tr-175x3.2-FEP-EM

Bendable DIN class B temperature probe which offers accurate, stable, and reproducible temperature measurements. Resistant to most of the chemicals.

51 161 730

Pt100 temperature sensor for EasyMax™
 Tr-175x3.2-FEP-EM

Material	Stainless steel, FEP-coated
Temperature	max. 200 °C
Size	Ø 3.2 mm, length 175 mm, cable length 450 mm
Quantity	1

EasyMax™ Optional Accessories

A variety of optional accessories will expand the functionality of your EasyMax™ and facilitate your day-to-day work. For your convenience, a number of spare parts and consumables are also available.



51 191 267	Glass adapter ST14/23-GL14 Ada-GL-ST14-GL14
Material	Glass
Size	height 54 mm
Quantity	1



51 190 317	Screw cap GL14, with aperture
Material	PBT
Temperature	max. 200 °C
Aperture	9.5 mm
Quantity	1



51 161 102	Silicone rubber sealing ring with vulcanized-on PTFE washers for GL14 caps and sensors with outer Ø 8 mm
Material	Silicone rubber VQM, PTFE-coated
Size	Ø 12 mm x 5 mm
Quantity	1



51 160 827	Adapter ST 14/23-ST 10/19 Ada-PTFE GF25-ST14-ST10
Material	PTFE GF25
Size	height 30 mm
Quantity	1

Peripherals

EasyMax™ Manual Dosing

- 50-mL dosing funnel in glass
- Compatible with your existing lab glassware
- Easy-to-use



51 191 952 50 mL dropping funnel, ST14/23

To provide the chemists the same tools they are using today, we offer a glass dosing funnel of 50 mL.

51 191 952	50 mL Dropping Funnel, ST14/23 with PTFE stopcock and pressure equalizing tube
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Material	Glass, PTFE
Size	Ø 35 mm, length 250 mm
Quantity	1

Peripherals

EasyMax™ pH Measurement Equipment



SevenMulti pH meter system

We provide pH measurement without any additional control box. Just connect the SevenMulti pH meter to the EasyMax™. The EasyMax™ will log pH data and show them online on the touchpad.

EasyMax pH measurement equipment consisting of

Order number	Product description	Quantity
51 302 807	SevenMulti S40 professional pH meter	1
51 302 821	pH Expansion unit SevenMulti	1
51 191 332	InLab 1022 pH electrode, 140 x 6 mm	1
51 343 161	InLab Semi-Micro-L pH electrode, 230 x 6 mm	1
51 190 589	Connection cable SevenMulti to EasyMax™	1
52 300 004	BNC cable, 1.2 m	1
59 902 417	BNC cable, 2.5 m	1
51 160 680	Guide sleeve ST14/23 for sensors with inner Ø of 6 mm	1
51 161 515	Guide sleeve ST10/19 for sensors with inner Ø of 6 mm	1



51 302 807	SevenMulti S40 professional pH meter with one pH measurement extension unit
Size	190 x 240 x 65 mm (w x d x h)
Quantity	1



51 302 821	pH Expansion unit SevenMulti to connect a second 2 pH electrode
Quantity	1



51 191 332	InLab 1022 pH electrode 140 x 6 mm
Temperature	0 °C to 80 °C
Size	Ø 6 mm, length 140 mm, electrode head S7
Quantity	1



51 343 161	InLab Semi-Micro-L pH electrode 230 x 6 mm
Temperature	0 °C to 100 °C
Size	Ø 6 mm, length 230 mm, electrode head S7
Quantity	1



51 190 589	Connection cable for data transfer from SevenMulti to EasyMax™
Size	length 1.8 m
Quantity	1



52 300 004	BNC cable, 1.2 m to connect pH electrode with S7 head to SevenMulti pH Meter
Size	length 1.2 m
Quantity	1



59 902 417	BNC cable, 2.5 m to connect pH electrode with S7 head to SevenMulti pH Meter
Size	length 2.5 m
Quantity	1

EasyMax™ Peripherals

Optional Accessories



51 161 852 Adapter Set for Ø 1.6 – 8 mm

This adapter set allows you to connect IR probes with 1/4" and FBRM with 8 mm, pH probes with 6 mm, tubes with 1.6 and 3.2 mm to your reactor.

Glass adapter set for Ø 1.6 – 8 mm consisting of

Order number	Product description	Quantity
51 191 267	Glass adapter ST14/23 GL14	1
51 190 317	Screw cap GL14, with aperture	1
51 161 588	Adapter GL14-UNF	1
51 103 947	Silicone rubber sealing ring, outer Ø 12 mm, aperture 6 mm	1
51 161 037	Adapter for GL14 and 6.4 mm sensors	1
51 161 102	Silicone rubber sealing, outer Ø 12 mm, aperture 8 mm	1



51 191 267 | **Glass adapter ST14/23-GL14**
Ada-GL14-ST14 Glass

Material	Glass
Size	height 54 mm
Quantity	1



51 190 317 | **Screw cap GL14, with aperture**

Material	PBT
Temperature	max. 200 °C
Aperture	9.5 mm
Quantity	1



51 161 558 | **Adapter GL14-UNF**

Material	PTFE GF25
Size	36.14 x 2.62 mm
Quantity	1

Sealing ring needed 51103947



51 103 947 | **Silicone rubber sealing ring with vulcanized-on PTFE washers**
for GL14 caps and sensors
with outer Ø 6 mm

Material	Silicone rubber VQM, PTFE-coated
Size	Ø 12 mm, aperture 6 mm
Quantity	1



51 161 037 | **Adapter for GL14 and 6.4 mm sensors**

Material	PTFE
Size	inner Ø 6.4 mm, outer Ø 12 mm,
Quantity	1

Sealing ring needed 51161102



51 161 102 | **Silicone rubber sealing ring with vulcanized-on PTFE washers**
for GL14 caps and sensors
with outer Ø 8 mm

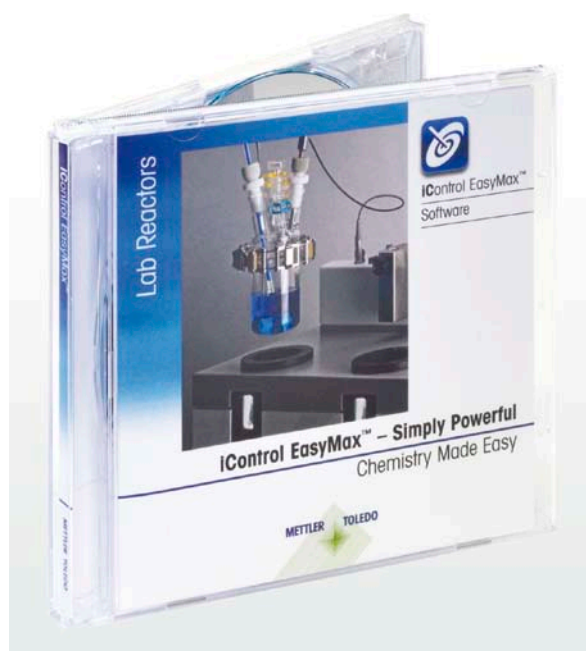
Material	Silicone rubber VQM, PTFE-coated
Size	Ø 12 mm x 5 mm, aperture 8 mm
Quantity	1

iControl Software for EasyMax™

Optional Accessories

The software for experiment preparation, instrument control and data evaluation

- iControl for EasyMax™ Instrument
- iControl for EasyMax™ Office
- iCare software maintenance



iControl EasyMax™ is tailored to provide the maximum amount of information from a single experiment. It uses a simple-to-operate user interface allowing to operate the EasyMax™ by either the PC software or in combination with the touchpad.

iControl EasyMax™ links with any of the iC Suite software packages and enables smooth data exchange online. The experiment data are displayed together with the recipe and stored for evaluation or long-term storage.

iControl EasyMax™ is ideal for more complex or long-lasting experiments, when pre-programming is required, information with METTLER TOLEDO analytics tools need to be shared or data evaluation is essential.

iControl Software for EasyMax™

Order number	License type	Description
51 162 612	iControl EasyMax™ Instrument	Software license for experiment preparation, control and data evaluation
51 162 613	iControl EasyMax™ Office	Software license for experiment preparation and experiment evaluation
51 162 629	iCare for iControl EasyMax™ Instrument	Software maintenance for instrument license
51 162 630	iCare for iControl EasyMax™ Office	Software maintenance for office license

Interactive Web-based Seminars

METTLER TOLEDO offers interactive webinars on a regular basis.

They are presented by members of our technology and applications consulting team and give you an opportunity to learn more about specific areas of interest, including:

- Process development
- Crystallization
- Safety
- Particle processing
- Emerging applications
- Fermentation
- Catalysis
- Automated weighing
- Process Analytical Technology (PAT)
- Sample management and logistics
- Synthesis
- Pressure chemistry
- Lab informatics
- Kinetics
- Reaction analysis
- Advanced data analysis
- And much more

On-demand webinars

All live webinars are recorded and will be available as "on-demand webinars" from the METTLER TOLEDO website or the AutoChem Community Site.

Go to <https://community.autochem.mt.com> and log in.

www.mt.com/EasyMax

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