

Gas treatment system MAXISYSTEM

- For fast, reproducible gas analyses
- Robust housing, dust- and water-tight
- Adapted to the flue gas analyser MAXILYZER NG
- Peltier gas cooler to avoid condensate and keep dirt particles out of the device



Gas sampling probe PS P4000
with external ceramic filter element

Application For long-term measurements and applications at changing sites requiring high-precision gas analyses and involving pollution and condensate in the flue gas. In conjunction with flue gas analysis computers, MAXISYSTEM is ideally suited if highly water-soluble gases (such as NO₂ and SO₂) are to be measured.

Description Portable gas treatment system consisting of:

- Gas cooling with Peltier gas cooler
- Gas filtration with fine particulate filter
- Condensate removal with hose pump

The gas is transported by means of the gas pump in the analyser. MAXISYSTEM is equipped with a status unit for detecting the operating states of cooler and heating hose. When the condensate alarm LA+ is triggered, the 3/2 way solenoid valve for free suction via the analyser is opened. In addition, there is a master switch and a switch for the internal gas pump.

Technical specifications

Flow rate/filtration of the internal pump
60 l/h at 200 mbar

Operating temperature range (cooler)

Operation: +8/+40 °C
Storage: -15/+55 °C
Gas inlet: Max. +60 °C
Dew point (gas): +100 °C

Filter

Fine particulate filter with glass fibre filter 2 µm

Materials (wetted parts)

Duran glass, PVDF, Viton®, stainless steel

Weight

4 kg

Dimensions

W x H x D 273 x 178 x 247 mm

LED

- Temperature status cooler and heating hose
- Status 'Cooling active'
- Condensate alarm LA+

Degree of protection (EN 60529)

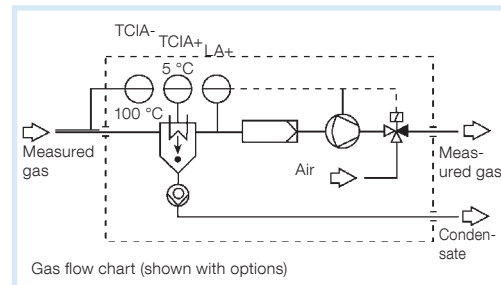
IP 20 operating state (open)
IP 65 closed

Connection

Hose NW 8 mm, hose connector, pluggable

Supply voltage

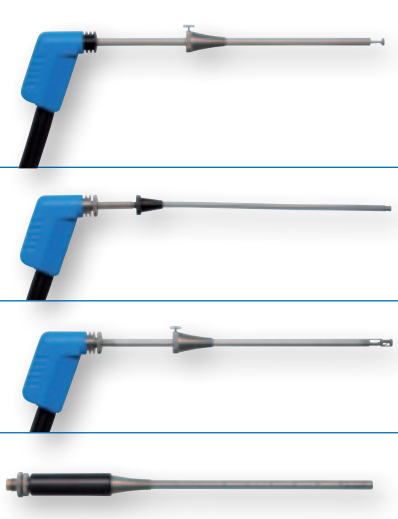


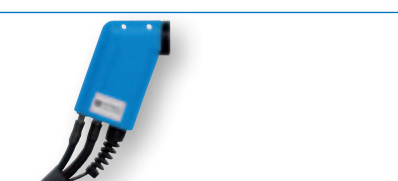
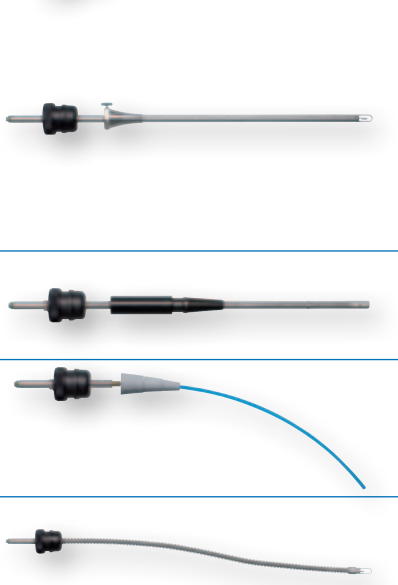

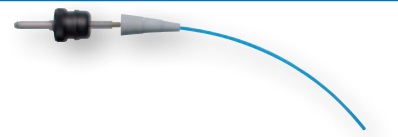

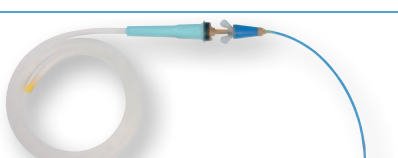
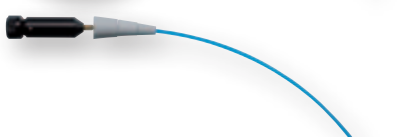

AC 230 V/50 Hz



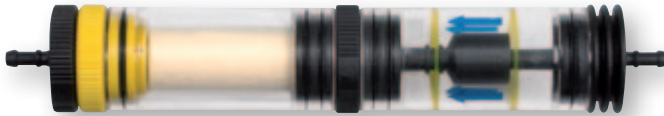
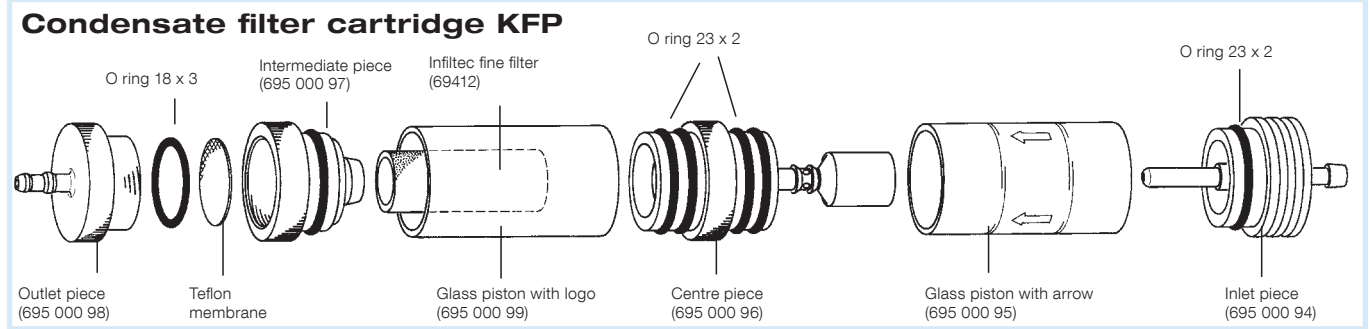
DG: H	Part no.	Price €
MAXISYSTEM with controller for heated line and condensate pump without gas pump, with mains cable	69486	
Thermocouple for measurement of the flue gas temperature	69683	
Gas pump 60 l/h and activation of pump ON/OFF when cooler is ready for operation	69486A	
Gas sampling probe PSP 4000 , portable, heated probe temperature adjustable from +100 °C to +180 °C	68900	
Heated line 5 m*	69476	
Heated line 3 m*	69478	

* Probe tube 300 mm and cone included.

Probes for EUROLYZER ST / STe and MULTILYZER NG

DG: H	Part	Description	Part no.	Price €
	Individual probes	Flue gas combination probe standard	300 mm, without draft connection, without condensate filter cartridge	69399
			170 mm, without draft connection, without condensate filter cartridge	69482
			300 mm, with draft connection, without condensate filter cartridge	69387
		Flue gas combination probe flexible	With draft connection, without condensate filter cartridge	69122
	Flue gas combination probe exclusive	With removable plug-on pipe and draft connection, without condensate filter cartridge	69437	
	Multi-hole probe can be plugged onto flue gas probe exclusive	Length-adjustable from 0–190 mm, without condensate filter cartridge	69422	
	Base handle for interchangeable probes	With compensation line and draft connection, without condensate filter cartridge	70072	
	Modular probe system	Interchangeable probe suitable for base handle	100 mm, Ø 8 mm	70084
			180 mm, Ø 8 mm	70073
			300 mm, Ø 8 mm	70074
			500 mm, Ø 8 mm	70075
			750 mm, Ø 8 mm	70076
			1,000 mm, Ø 8 mm	70077
			1,500 mm, Ø 8 mm	70078
	Multi-hole probe suitable for base handle	Length-adjustable 60–170 mm, Ø 8 mm	70080	
	Annular gap probe	For measuring CO and O ₂ concentrations in the annular gap of double-walled chimneys of gas furnaces	70083	
	Flexible probe	400 mm, Ø 9 mm	70079	
	Annular gap probe	2 m hose length with connection piece	69392	
	Annular gap probe	Universal, can be plugged onto all flue gas probes	70082	
	Multi-hole probe with connection fitting	Length-adjustable 60–250 mm, without condensate filter cartridge	69580A	

Accessories and spare parts for EUROLYZER ST / STe and MULTILYZER NG



DG: H	Part no.	Price €
Condensate filter cartridge KFP	69411	
Infiltec fine filter (5 pieces)	69412	
Assortment of O rings, sorted	69427	

DG: H	Part no.	Price €
Inlet piece	695 000 94	
Glass piston with arrow	695 000 95	
Centre piece	695 000 96	
Intermediate piece	695 000 97	
Outlet piece	695 000 98	
Glass piston with logo	695 000 99	
Teflon membrane (10 pieces)	69206	


DG: H	Part	Description	Part no.	Price €
	Spike probe	Also suitable for temperature measuring instruments TM	69868	
	Air, gas, liquid probe	Also suitable for temperature measuring instruments TM	69867	
	Surface probe	Also suitable for temperature measuring instruments TM	69866	
	HT probe	700 mm, also suitable for temperature measuring instruments TM	69853	
	HT probe	1,000 mm, also suitable for temperature measuring instruments TM	69854	
	Combustion air probe	200 mm	69428	
		290 mm	69460	
	Combustion air probe	With magnetic holder	69404	
	Combustion air probe	With magnetic holder and rubber cone	69358	
	Ambient air probe	"Stub probe" design	69359	
	Clamp probe		69011	





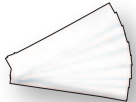


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Due to the standardised interfaces, all AFRISO temperature probes can be used with all BlueLine devices:

- EUROLYZER ST Page 532 ▪ MULTILYZER NG Page 536 ▪ MAXILYZER NG Plus Page 540
- EUROLYZER STe Page 534 ▪ MAXILYZER NG Page 538 ▪ TM7/TMD7 Page 546

Accessories and spare parts for EUROLYZER ST / STe and MULTILYZER NG

DG: H	Part	Description	Part no.	Price €
	Clamping cone	Stainless steel, hole Ø 8.8 mm, suitable for EP-Check	68979	
	Clamping cone	Stainless steel, hole Ø 8.0 mm, suitable for flue gas probe	68978	
	Clamping cone	Stainless steel, hole Ø 6.0 mm, suitable for combustion air probe	68977	
	Clamping cone	Teflon, hole Ø 8.0 mm, suitable for flue gas probe	68980	
	Clamping cone	PDM, hole Ø 5.0 mm, suitable for combustion air probe	68986	
	Rubber cones	3 pieces, Ø 5.0 mm, suitable for combustion air probe	68981	

DG: H	Part	Description	Part no.	Price €
	Aluminium case		69032	
	Aluminium case professional	Robust system case with 3 drawers and convenient tool holders for probes	69030	
	Thermal printer EUROprinter		69480	
	Printer paper for EUROprinter	5 rolls	69481	
	Printer paper for EUROprinter	Self-adhesive, 1 roll	69033	
	Printer paper for HP printer	5 rolls	69421	
	Soot pump	With soot comparison scale and filter paper	69581	
	Filter paper for soot pumps	200 pieces	68400	
	Soot comparison scale		68300	
	Plugs for measurement holes (adhesive label)	10 pieces	61099	
	Software Eurosoft		69391	
	Hose kit 4 Pa test		68982	