OPTIONS AND ACCESSORIES FOR KIGAZ GAS ANALYSERS

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OPTIONS AND ACCESSORIES

Gas network tightness kit including: • 2 cone-shaped tightness connections • A pressure bulb • Connections for direct measurement on ducts and meter (male-bottle 6-20, 10-32, 1/2G, M20x1.5), adapter and tubes.	**Part number: KEG**	
Single connections kit for gas network tightness including connections for direct measurement on pipelines and counter (male-bottle, 6-20, 10-32, 1/2G, M20x1.5) (Supplied wit the KEG and MP130S)	**Part number: KR-MP**	
Manual pump for opacity measurement Supplied with 50 filters and a reference table.	**Part number: PMO**	
Aluminium transport case For analyser and accessories	**Part number: MAK**	
ABS transport case For analyser and accessories	**Part number: MABS**	
Transport bag for Kigaz 80	**Part number: SK-1**	
Transport bag for Kigaz 110 and 210	**Part number: SK-12**	
Protective cover with magnet for Kigaz 80	**Part number: CPK-15**	
Protective cover with magnet for Kigaz 110, 210 and 310	**Part number: CPAK**	
Power supply adapter **Li-ion battery**	**Part number: ADS** **Part number: BK**	
External infra-red IRDA® printer and its protective cover. Dimensions (without protective cover): 85.5 mm x 150 mm x 55 mm Weight (without protective cover): 400 g Operating temperature: from 0 to 50 °C For Kigaz 80	**Part number: KDIP-2**	
Bluetooth® low energy module For data downloading and configuration of KIGAZ, 5 m broadcast range. Communication with **KIGAZ MOBILE** application.	**Part number: MB-123-2**	Bluetooth® SMART
LOGAZ-2 software for: • Database creation: customers, boilers, checks • Data download, printing of checks with creation of report • Analyser configuration • Creation of reports and customised procedures • Checks schedule • Visualization and recording of measurements in real time • Database synchronization instrument/PC Available for **KIGAZ 110, 210 and 310.**	**Part number: LOGAZ-2**	

PROBES

Each remote probe comes with an over-moulded mini-Din connector with a secured system. The **450 mm** length cable is extensible up to **2.40 m**. They also have the Smart-plus recognition system that allows the analyser to automatically detect the type of probe.

Retractable cable lg. 450 mm, up to 2,4 m.

Over-moulded mini-Din connector with secured system

Ionisation current measurement probe for gas boilers, output on 2 cables of 0.8 m with alligator clips, Smart-plus communication, measuring range from 0 to 100 μA. Supplied with adjustment certificate. **Features:** banana plugs and supplied with alligator clips. **Measuring range:** ±100 μA	**Part number: SCI**
Gas leak detection probe (CH_4, …). Range from 0 to 10000 ppm with Smart-plus recognition system, flexible 300 mm long probe. Supplied with adjustment certificate. **Features:** • Electrical sensor • Flexible probe **Measuring range:** • Hydrocarbon and CH_4: from 0 to 10 000 ppm **Accuracy*:** ±20% of full scale at 20 °C at 65%RH ±5%RH	**Part number: SDFG**
CO_2-temperature multi-function probe. Range from 0 to 5000 ppm and from -20 to +80 °C. Smart-plus recognition system, flexible 300 mm long probe. Supplied with adjustment certificate. **Features:** • CO_2: NDIR sensor (non-dispersive infrared sensor) • Temperature: Pt100 class 1/3 Din **Measuring range:** • CO_2: from 0 to 5000 ppm • Temperature: from -20 to +80 °C **Accuracy*:** • CO_2: ±3% of reading or ±50 ppm. • Temperature: ±0.3% of reading ±0.25 °C	**Part number: SCO2T**
CO-temperature multi-function probe. Range from 0 to 500 ppm and from -20 to +80 °C. Smart-plus recognition system. Supplied with adjustment certificate. **Features:** • CO: electrochemical sensor • Temperature: Pt100 class 1/3 Din **Measuring range:** • CO: from 0 to 500 ppm • Temperature: from -20 to +80 °C **Accuracy*:** • CO: from 0 to 200 ppm: ±3 ppm from 201 to 500 ppm: ±1.5% of reading • Temperature: ±0.3% of reading ±0.25 °C	**Part number: SCOT**
Ambient Pt100 probe. Range from -50 to +250 °C. Smart-plus recognition system. Ø4.5 mm contact tip, 150 mm length, with handle, retractable cable and connector. Supplied with adjustment certificate. **Features:** • Pt100 1/3 Din (as per IEC 751) • Perforated contact tip **Measuring range:** from -50 to+250 °C **Accuracy*:** ±0.3% of reading ±0.25 °C	**Part number: SPA 150 SP**

All accuracies indicated in this document were stated in laboratory conditions and can be guaranteed for measurements carried out in the same conditions, or carried out with required compensation.

THERMOCOUPLE PROBES

Lamella contact K thermocouple probe, class 1. Range from -50 to +250 °C. Stainless steel contact tip Ø4.5 m, 150 mm length with handle, retractable cable and male miniature connector. **Features:** • Class 1 K thermocouple (as per IEC 584-3) • Stainless steel contact tip	**Part number: SKCL 150**	
Velcro contact K thermocouple probe, class 1. Range from -20 to +90 °C. Velcro fixing for Ø100 mm max duct with cable of 1.5 m length and compensated male connector. **Features:** • Class 1 K thermocouple (as per IEC 584-3) • Fixing for Ø 100 mm max duct	**Part number: SKV 150**	
Lamella contact K thermocouple probe, class 1. Range from -20 to +90 °C. For duct from 10 to 50 mm of diameter, cable of 2 m length and compensated male connector **Measuring range:** from -40 to +150 °C **Accuracy*:** ±1.5 °C	**Part number: SKCT**	

INTERCHANGEABLE SENSORS

O$_2$ sensor Range: 0 – 21%	**Part number: CI-O2** For KIGAZ 80
CO-H$_2$ sensor Range: 0 – 8000 ppm	**Part number: CI-COH2** For Kigaz 80
CH$_4$ sensor for gas leak detection Range: 0 to 10000 ppm	**Part number: CI-CH4** For KIgaz 110, 210, 310
O$_2$ long life sensor Range: 0 – 21%	**Part number: CI-O2-LV** For KIGAZ 110, 210 and 310
CO-H$_2$ sensor Range: 0 – 8000 ppm	**Part number: CI-COH2** For KIGAZ 110, 210 and 310
NO sensor Range: 0 – 5000 ppm	**Part number: CI-NO**
Low range NO sensor Range: 0 – 500 ppm	**Part number: CI-NO-BE**
NO$_2$ sensor Range: 0 – 1000 ppm	**Part number: CI-NO2**
SO$_2$ sensor Range: 0 – 5000 ppm	**Part number: CI-SO2**

CONSUMABLES

50 filters for PMO opacity manual pump	**Part number: SFO**
Paper roll / **Set of 5 paper rolls** for printer	**Part number: PI-1 / PI-5**
Filters for water trap / **Set of 5 filters for water trap** for Kigaz 80, 110 and 210	**Part number: F12-1 / F12-5**
Disc filter / **Set of 5 disc filters** for Kigaz 310 probe	**Part number: F3-1 / F3-5**

FLUE GAS PROBES

Flue gas probe with interchangeable contact duct, **180 mm** length, up to **500 °C.** For KIGAZ 210 and 310.	**Part number: PS-180**	
Flue gas probe with interchangeable contact duct, 300 mm length, up to **500 °C.** For KIGAZ 210 and 310.	**Part number: PS-300**	

FLUES GAS PROBES

Description	Part number	Image
Flue gas probe with **interchangeable contact duct in INCONEL**, 750 mm length, use up to **1100 °C.** For KIGAZ 210 and 310.	Part number: **PS-750**	
Flue gas probe with **interchangeable contact duct in INCONEL**, 1000 mm length, use up to **1100 °C.** For KIGAZ 210 and 310.	Part number: **PS-1000**	
Flue gas probe for **solid combustible**, handle with cable length 2.5m, water -trap and probe length 180 mm with 10 µm porosity sintered tip. Operating temperature 500 °C. For KIGAZ 80.	Part number: **SCS-80**	
Flue gas probe for **solid combustible**, handle with cable length 2.5m, water -trap and probe length 180 mm with 10 µm porosity sintered tip. Operating temperature 500 °C. For KIGAZ 110.	Part number: **SCS-110**	
Probe for **solid combustible**, length 180 mm with 10 µm porosity sintered tip. Operating temperature 500 °C. For KIGAZ 210/310.	Part number: **PSS-300**	
Flexible flue gas probe Handle with cable of 2,50 m length, water trap, 3 connectors Flexible contact duct of 180 mm length Operating temperature 500 °C. For KIGAZ 80.	Part number: **SFFK-50**	
Flexible flue gas probe Handle with cable of 2,50 m length, water trap, single connector Flexible contact duct of 180 mm length Temperature of use 500 °C. For KIGAZ 110.	Part number: **SFFK-110**	
Interchangeable flexible flue gas probe length 180 mm. With LED. Operating temperature 500 °C. For KIGAZ 210/310.	Part number: **PFSK-230**	
Complete flue gas probe. With 6 m of cable Water trap 3 connectors For KIGAZ 80.	Part number: **PSF6-80**	
Complete flue gas probe. With 6 m of cable Water trap Single connector For KIGAZ 110.	Part number: **PSF6-110**	
Handle for flue gas probe With 6 m of cable Water trap Single connector For KIGAZ 210.	Part number: **PSF6-210**	
Handle for flue gas probe With 6 m of cable Single connector for KIGAZ 310.	Part number: **PSF6-310**	
Water trap for KIGAZ 80, 110 and 210.	Part number: **PS-CF**	

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