HEATING

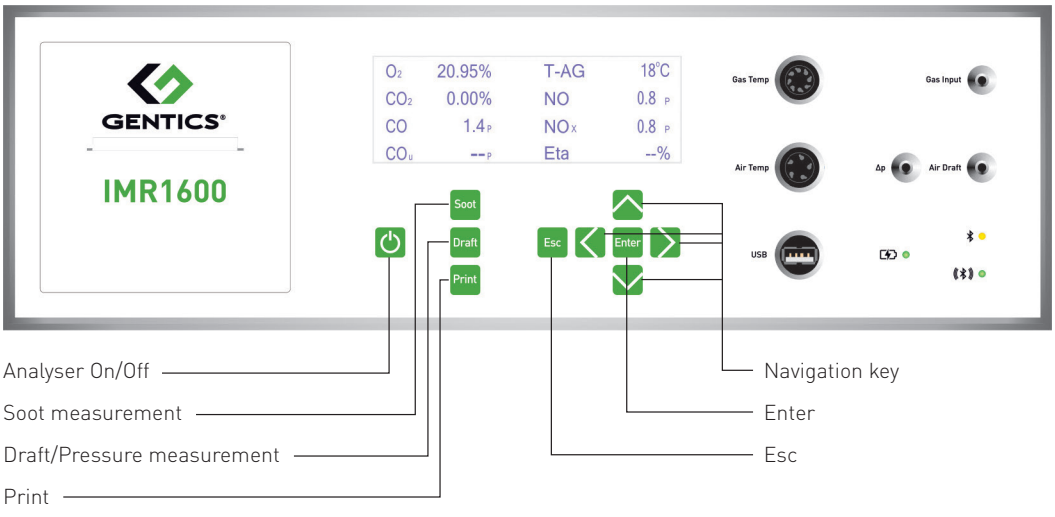
IMR1600

The compact Flue Gas analysis System

PRODUCT ADVANTAGES

- Remote control with Blue-View® *
- Flue gas moisture monitoring in the gas path
- Average value regulation according to the current 1. BImSchV
- Automatic purge pump for sensor protection
- Built-in quiet thermo printer
- Service software analyzer check by power on
- USB interface for external data management
- Sensor-Temperature-Automatic to protect against condensation on the sensors
- Printout of all measuring data with date and time
- Power supply via AC or battery
- Electronically controlled Soot measurement
- Simultaneous draft-pressure and different pressure measurement to detect air leaks

CONTROL PANEL



TECHNICAL DATA

VARIABLE	METHOD	RESOLUTION	DEVIATION	RANGE
CO_2 (Carbon dioxide)	calculated	0.01 vol%	± 0.2%	0 ... CO_2 max. [1] [4]
O_2 (Oxygen)	electrochem. sensor	0.01 vol%	± 0,2%	0 ... 20.95 vol%
CO (Carbon monoxide) H_2 compensated NO (Nitric oxide)*	electrochem. sensor	0.1 ppm, mg, mg (O_2), mg/kWh	Ω [2]	0 ... 4 000 ppm [3]
CO (Carbon monoxide)*	electrochem. sensor	0.1 ppm, mg, mg (O_2), mg/kWh	Ω [2]	0 % ... 10%
SO_2 (Sulfur dioxide)*	electrochem. sensor	0.1 ppm, mg, mg (O_2), mg/kWh	Ω [2]	0 ... 4 000 ppm [3]
NO_2 (Nitrogen dioxide)*	electrochem. sensor	0.1 ppm, mg, mg (O_2), mg/kWh	Ω [2]	0 ... 500 ppm [3]
°C Air temperature	Thermocouple NiCr-Ni	1 K	± 0.5 K	-20 ... 120°C
°C Flue gas temperature	Thermocouple NiCr-Ni	1 K	± 0.5 K	-20 ... 1 000°C
hPa pressure/draft different pressure	Semiconductor sensor	0.01 hPa	± 2.0%	± 60 hPa [3]
λ (Lambda)/excess air	calculated	0.01	± 0.5	1.00-9.99
qA Flue gas losses ETA Efficiency	calculated	0.01	± 0.5%	0 ... 99.9%
Soot spot determination	Filter papermethod according to DIN 51402	Volume-regulated suction pump 1.63 l/min. ± 0.07 l/min.		0 - 10 soot reference scale

The analyzer complies with EN 50379-2

FURTHER TECHNICAL DATA	
Weight	7 kg
Dimensions	420 x 190 x 213 mm (W x H x D)
Power supply	230 V/50 Hz
Operating temperature	+5°C to +40°C
Pump capacity	120 l/h
max. draft	-0,3 bar
max. pressure	0,3 bar
Storage temperature	-20°C to +50°C

1) Fuel dependent
2) Ω = 0 – 200 ppm ± 2 ppm > 200 ppm ± 1% of reading
3) other measuring ranges on request
4) only in combination with O_2 sensor
* Option

CE DIN EN 50379-2