Flue gas analyser

benefits

- Configurable macros for practical multi-measurement of, for example, partial load, full load and annular gap
- Compact flue gas probe AKS-K 170 mm with draft connection
- large high-resolution display for optimum readability and and intuitive menu navigation, protected by scratch-resistant glass
- Pioneering "dual-mode concept": Intuitive one-hand operation via scroll wheel or touch display – sensitive even with work gloves
- Ready for all typical HVAC measuring tasks thanks to Bluetooth® connection to more than 35 sensor modules and sets of the CAPBs® system
- TÜV-tested measurement as per 1st BImSchV (German Federal Immission Act)
- NO sensor can be retrofitted
- H2-compensated robust CO sensor (measuring range up to 10,000 ppm)
- Multi-memory: Combine up to six different measurements into a single measurement report (for example, full load measurement/partial load measurement or flue gas measurement and flow pressure measurement)
- Data transmission via Bluetooth® or QR code to the AFRISO app EuroSoft® connect for on-site documentation
- 5 years warranty on O_2 sensor
- 7 years full warranty in connection with a service contract

Application

Designed for flue gas measurements at oil, gas and pellets fired systems as well as for tightness tests at gas lines, for checking the connection pressure/flow pressure and the pressure loss. TÜV-tested measurements as per 1st and 44th BImSchV (German Federal Immission Act) can be performed reliably and intuitively. Fast and easy Bluetooth® connection to more than 35 sensor modules and sets of the AFRISO CAPBs® make EUROLYZER® S1 the central controller for all HVAC tasks.

Technical Specifications

measuring ranges (measured values)

Flue gas temperature/differential temperature
0/1150 °C

Air temperature/combustion air temperature
-20/+200 °C

Draft
-70/+70 hPa

O_2 measurement
0/21 Vol.-%

CO_{H2} measurement
nominal: 0/4000 ppm
maximum: 0/10000 ppm

additional technical specifications

Indication (calculated values)
CO_2, $CO_{undiluted\ (air\text{-}free)}$, Lambda, Dew point, Eta efficiency, Flue gas losses qA, CO mg/m^3 (natural gas), CO mg/kWh (fuel oil)

Operating temperature range
Ambient: 0/40 °C
Storage: -20/+50 °C

weight (measuring instrument)
500 g

Dimensions
W x H x D: 80 x 218 x 44 mm

Degree of protection
IP 40 (EN 60529)

Display
high-resolution touch display 4.3 "

Connections
Draft: ∅ 7 mm
Gas: ∅ 8 mm
temperature: 2 x socket type K

Supply voltage
lithium-ion battery (3.6 V/5000 mAh)
Power supply unit (USB-C)
Battery or mains

Hours of operation (eco mode)
12 hours

Data memory
internal memory, 10000 Messungen

Interfaces
Infrared,
Bluetooth®,
QR code generator,
USB-C

Approvals
TÜV-tested as per 1st BImSchV,
DIN EN 50379-1/2

Versions

			Part no.
Flue gas analyser EUROLYZER® S1 set Basic	O_2, CO/H_2+, draft	●	P00140

● in-stock items

○ Non-stock items