

Complete package flue gas analysis BLUELYZER ST set Basic



Benefits

- Cost-effective entry-level set
- In compact case
- Digital documentation and operation via app
- The world's smallest, fully-featured HVAC all-rounder with TFT co-
- Flue gas analysis, pressure measurement (draft) and (differential) temperature measurement with a single instrument
- CO ambient measurement with two freely adjustable alarm thres-
- Fully-fledged temperature measurement program, differential temperatures (e.g. flow/return) can also be determined
- Hold function: Display shows the measured value for a given period of time while the measurement keeps running in the back-
- Measurement programs and measured values can be freely edited
- Display reverse function: TFT display can be rotated by 180° for easy reading and excellent working conditions at the point of mea-
- Zoom mode for entire display, "Single-value display"
- Memory function with up to 100 measurement logs
- CAPBs®-enabled















Application

Ideal for HVAC professionals for accurate adjustments or inspections, on par level with official flue gas analysers. BLUELYZER ST is suitable for flue gas analysis, pressure measurement and (differential) temperature measurement. It is the universal, handheld measuring instrument of choice for measuring small and medium-sized oil and gas fired heating systems according to the 1st German Federal Immission Act (BImSchV) and for CO concentration checks at gas fired systems.

Versions

Part no.

Flue gas analyser BLUELYZER ST set Basic

P00130

Blue part no. = in-stock items





Technical specifications

Measuring ranges (measured values)

Flue gas temperature/differential temperature

0/1,150 °C

Air temperature/combustion air temperature

-20/+200 °C

Draft

-70/+70 hPa

O₂ measurement

0/21 Vol.-%

CO measurement

Nominal: 0/2,000 ppm Maximum: 0/6,000 ppm

Additional technical specifications

Indication (calculated values)

CO₂, CO_{Undiluted (air-free)}, Lambda, Dew point, Eta efficiency, Flue gas

losses qA, CO mg/m³ (natural gas), CO mg/kWh (fuel oil)

Operating temperature range

Ambient: 0/40 °C Storage: -20/+50 °C

Weight (measuring instrument)

Approx. 275 g

Dimensions

W x H x D: 66 x 143 x 37 mm

Degree of protection

IP 42 (EN 60529)

Display

TFT colour display

2.8 "

W x H: 45 x 60 mm

240 x 320 pixels

Connections

Draft/pressure: \emptyset 7 mm Gas: \emptyset 8 mm Temperature: Socket type K

Supply voltage

Lithium-ion battery (3.6 V/1,800 mAh) Power supply unit (mini USB)

Battery or mains

Hours of operation (eco mode)

12 Stunden

Data memory

MicroSD card, max. 16 GB

Interfaces Infrared,

Bluetooth®,

QR code generator, MicroSD card slot

Approvals

VDI 4206 (Blatt 1),

DIN EN 50379-2 for O2/CO2, TA, TG, pressure,

DIN EN 50379-3 for CO

Scope of delivery

■ Flue gas analyser BLUELYZER ST

Calibration report

Protective sleeve for device with magnets

■ Power supply unit NTE 5 USB-A

Charging cable USB-A - mini USB

■ 5 x particle filter

■ 5 x Teflon membrane

■ Condensate filter cartridge KFP 2P

■ Flue gas combination probe, compact, AKS-K FZ 170 mm

■ Ambient air probe TFB-UL 50-1

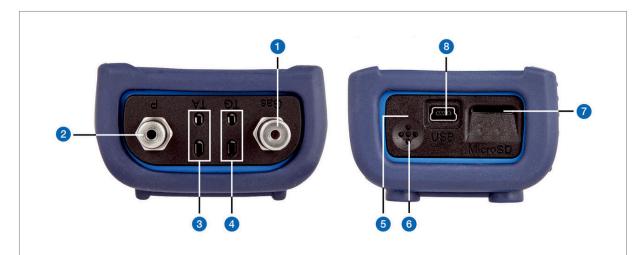
Small case BlueLine



2/3 www.afriso.com



Detail views



- 1. Gas inlet
- 2. Pressure measurement (draft)
- 3. Temperature connections e.g. for ambient air temperature or combustion air temperature
- 4. Temperature connections e.g. for flue gas temperature
- 5. Infrared printer interface
- 6. Signal unit (speaker)
- 7. MicroSD card slot
- 8. Mini USB connection for power supply unit/charger