



Complete package flue gas analysis

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 colour display
- Flue gas analysis, pressure measurement (draft) and (differential) temperature measurement with a single instrument
- CO ambient measurement with two freely adjustable alarm thresholds
- 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 background
- 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 measurement
- 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 with official flue gas analysers. BLUELYZER ST is suitable for flue gas analysis, pressure measurement and (differential) temperature measurement. The HVAC all-rounder also provides exact calculation of the Eta value for all condensing heating systems with fuel-specific dew point calculation.

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

pressure
-150/+150 hPa

O₂ measurement
0/21 Vol.-%

CO measurement
nominal: 0/2000 ppm
maximum: 0/6000 ppm

additional technical specifications

Indication (calculated values)

CO₂, CO_{undiluted (air-free)}, Lambda, Dew point, Eta efficiency, Flue gas losses q_A, CO mg/m³ (natural gas), CO mg/kWh (fuel oil)

Operating temperature range

Ambient: 0/40 °C
Storage: -20/+50 °C

weight (measuring instrument)

ca. 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: Ø 7 mm
pressure: Ø 7 mm
Gas: Ø 8 mm
temperature: socket type K

Supply voltage

lithium-ion battery (3.6 V/1800 mAh)
power supply unit (mini USB)
Battery or mains

Hours of operation (eco mode)

12 hours

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

Versions

Part no.

Flue gas analyser
BLUELYZER ST set Basic



P00130

-  in-stock items
-  Non-stock items