

Flue gas analyser BLUELYZER® ST set Basic

Part no. P00130

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

Draft
-70/+70 hPa

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

pressure
-150/+150 hPa

O_2 measurement
0/21 Vol.-%

CO measurement
nominal: 0/2000 ppm
maximum: 0/6000 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/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: ∅ 7 mm
pressure: ∅ 7 mm
Gas: ∅ 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

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

Versions

		Part no.
Flue gas analyser BLUELYZER® ST set Basic	●	P00130

● in-stock items

○ Non-stock items