



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

Flue gas temperature/differential temperature
0/1150 °C

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

Draft
-70/+70 hPa

O₂ measurement
0/21 Vol.-%

CO measurement

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

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)

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/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

Versions

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

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-  in-stock items
-  Non-stock items