

Flue gas analyser BLUELYZER® ST set Pro

Part no. P00131

Complete package flue gas analysis

benefits

- CO high device for measurements at all heat generators up to 20,000 ppm, including pellets boilers
- comprehensive all-rounder set with IR printer
- Combustion air probe for measurements at room air-independent systems
- robust hard top case
- 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

O_2 measurement
0/21 Vol.-%

CO measurement
nominal: 0/20000 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
- microSD card
- Condensate filter cartridge KFP 2P
- 5 x particle filter
- 5 x Teflon membrane
- Flue gas combination probe, compact, AKS-K FZ 170 mm
- Thermal printer EUROprinter II
- Combustion air probe TFB-VL100 M with magnetic holder
- Hard top case Pro blue

Versions

		Part no.
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● in-stock items

○ Non-stock items