



Flue gas analyser BLUELYZER® C1 set Basic

Part no. P00212

Complete package flue gas analysis

benefits

- cost-effective entry-level set, in compact case
- long-lasting performance with over 20 hours of battery life
- Digital documentation and operation via app
- compact, fully-featured HVAC all-rounder with TFT colour display
- Flue gas analysis, pressure measurement (draft) and (differential) temperature measurement with a single instrument
- robust, ergonomic housing with built-in magnets for hands-free use
- 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
- 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 C1 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 and for CO concentration checks at gas-fired systems. 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

Pitot
0.5/70 m/s

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. 370 g

Dimensions

W x H x D: 78 x 178 x 45 mm

Degree of protection

IP 40 (EN 60529)

Display

TFT colour display 3.5 "

Connections

Draft: Ø 7 mm

Gas: Ø 8 mm

temperature: 2 x socket type K

Supply voltage

lithium-ion battery (3.6 V/4800 mAh)

Power supply unit (USB-C)

Battery or mains

Hours of operation

ca. 20 hours

Data memory

internal memory for up to 100 measurement records

Interfaces

Infrared,

Bluetooth®,

QR code generator,

USB-C

Approvals

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

DIN EN 50379-3 for CO

Scope of delivery

- BLUELYZER® C1 (O₂, CO, draft)
- Calibration report
- Power supply unit NTE 5 USB-A
- charging cable USB-A to USB-C (1 m)
- 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 Universal

Versions

Part no.

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 in-stock items

 Non-stock items