



Flue gas analyser BLUELYZER® C1 set Pro

Part no. P00213

Complete package flue gas analysis

benefits

- CO high device for measurements at all heat generators up to 20,000 ppm, including solid fuels
- integrated pressure connection for gas flow pressure measurement or tightness test, for example
- robust hard top case
- 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



CO: EN 50379-3



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

pressure
-150/+150 hPa

Pitot
0.5/70 m/s

O₂ measurement
0/21 Vol.-%

CO measurement
nominal: 0/20000 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
pressure: Ø 8 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_{high}, draft, pressure)
- 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
- Hose for gas connection pressure
- Hard top case Pro blue

Versions

Part no.

Flue gas analyser BLUELYZER® C1 set Pro	●	P00213
--	---	--------

- in-stock items
- Non-stock items