



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 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. 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

Versions

Part no.

Flue gas analyser BLUELYZER® C1 set Pro		P00213
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 in-stock items

 Non-stock items