



## Complete package flue gas analysis BLUELYZER ST set Pro



### 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



Bluetooth®



### Application

Ideal for HVAC professionals for accurate adjustments or inspections, on par level with official flue gas analysers. BLUELYZER ST 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 according to the 1st German Federal Immission Act (BImSchV) and for CO concentration checks at gas fired systems.

### Versions

	Part no.
Flue gas analyser BLUELYZER ST set Pro	P00131

Blue part no. = in-stock items



## Technical specifications

### Measuring ranges (measured values)

**Flue gas temperature/differential temperature**  
0/1,150 °C

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

**Draft**  
-70/+70 hPa

**O<sub>2</sub> measurement**  
0/21 Vol.-%

**CO measurement**  
Nominal: 0/20,000 ppm

### Additional technical specifications

**Indication (calculated values)**  
CO<sub>2</sub>, CO<sub>Undiluted (air-free)</sub>, Lambda, Dew point, Flue gas losses q<sub>A</sub>, CO mg/m<sup>3</sup> (natural gas), CO mg/kWh (fuel oil)

**Operating temperature range**  
Ambient: 0/40 °C  
Storage: -20/+50 °C

**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/1,800 mAh)  
Power supply unit (mini USB)  
Battery or mains

**Hours of operation (eco mode)**  
12 Stunden

**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 O<sub>2</sub>/CO<sub>2</sub>, 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
- Combustion air probe TFB-VL100 M with magnetic holder
- Hard top case Pro blue



### Detail views

