



# Complete package flue gas analysis BLUELYZER ST set Basic



### Benefits

- Cost-effective entry-level set
- In compact case
- Digital documentation and operation via app
- 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 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 Basic	P00130

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: 0/2,000 ppm  
Maximum: 0/6,000 ppm

### Additional technical specifications

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

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

**Weight (measuring instrument)**  
Approx. 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/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
- 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 BlueLine



## Detail views

