

EUROLYZER ST

Three-in-one-instrument!

- *Flue gas analysis*
- *Pressure measurement*
- *Temperature measurement*



- *Intuitive user guidance with touchpad for scrolling*
- *High resolution TFT colour monitor with brilliant contrast*
- *Choice of display colours for measurement values*
- *Highest flexibility through data storage on Micro-SD-Card*
- *Extended CO measuring range with H2 compensation*
- *Measurement with two active display levels (Multi-Tasking-Function)*
- *Separate measurement programmes for (differential) pressure and temperature*
- *Suitable for use with oil, gas and pellet fired installations*
- *Powerful NiMH rechargeable battery block provides for up to 8 hours of measurement*
- *Unbeatable price/quality ratio*



Now also with
NO-/NO_x measurement!

Application

Ideal for checking and servicing of small and medium sized heating systems acc. to BImSchV and for safety-technical CO checks of gas fired installations.

The instrument is ideally suited for measurements on bi-valency combination and efficiency mod-

ulating BHKW – heating installations up to a Lambda value of 1.00 and provides also an exact calculation of the 'Eta' value for all combustion heating systems with fuel-specific dewpoint calculation.

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Technical Specifications

Measured values, depending on equipment

O₂, CO/H₂, NO, Flue gas temperature, combustion air temperature, draught, pressure

Calculated values, depending on equipment

CO undiluted, NO_x, Lambda, CO₂, efficiency (Eta), temperature difference, pressure difference Eta-BW (for combustion systems), flue gas losses (q_A), dewpoint

Input possibilities, depending on equipment

Sutt figure, oil derivatives, customer No., boiler temperature

Measuring ranges

Flue gas temperature

(incl. differential pressure measurement)

Measuring range: 0 °C/+1.000 °C
 Resolution: 1 °C
 Accuracy: ± 1 °C + 1 digit (up to 300 °C)
 ± 1% of meas. value (above 300 °C)
 Thermoelement: NiCr-Ni (Type K)

External wall or air temperature

Measuring range: -20 °C/+200 °C
 Resolution: 0,1 °C
 Accuracy: ± 3 °C + 1 digit (-20,0 to 0,0 °C)
 ± 1 °C + 1 digit (-0,1 to +200,0 °C)
 Thermoelement: NiCr-Ni (Typ K)

Draught/Differential pressure

Measuring range: ± 50 hPa (draught)/± 130 hPa (diff.-press.)
 Accuracy: ± 2 Pa (up to ± 2 hPa)
 ± 1% of meas. value (up to ± 50 hPa)
 ± 1,5% meas. value (above ± 50 hPa)
 Resolution: 1 Pa (= 0,01 hPa)

O₂-Measurement

Measuring range: 0 ... 21 vol.-%
 Resolution: 0,1 vol.-%
 Accuracy: ± 0,2 vol.-% of meas. value

CO₂-Determination

Indicating range: 0 ... CO₂ max.
 Resolution: 0,1 vol.-%
 Accuracy: ± 0,2 Vol.-%

CO-Measurement

Measuring range: 0 ... 5.000 ppm (nom.)/0 ... 9.999 (max.)
 Resolution: 1 ppm
 Accuracy: ± 5 ppm (up to 50 ppm)
 ± 5% of meas. value (above 50 ppm)

NO-Measurement

Measuring range: 0 ... 2.000 ppm
 Resolution: 1 ppm
 Accuracy: ± 5 ppm of meas. value

Memory

Micro-SD-card (Option: std. commercial up to max. 4 GB)

Housing (Protective Sleeve)

Mineral fibre plastic (slot plastic with magnet)

Power Supply

NiMH rechargeable battery 6V/2Ah, external mains adaptor and charger

Temperature

Plug connector system for NiCr-Ni thermoelements (Type K)

Connections

Draught/Pressure: 7 mm diam
 Gas: 8 mm diam

Date Communication

USB-interface via cable
 Wireless infra-red printer interface
 Bluetooth (optional)



Approvals

Acc. to BImSchV and KUO as well as EN 50379-2

Weight (instrument only)

approx. 400 g

Scope of Delivery

EUROLYZER ST, incl. of calibration protocol, mains adaptor, flue gas probe, condensate filter cartridge, ambient air sensor, connector set for gas fittings, protective sleeve with magnet, aluminium instrument case

Type	Pt.-No.
EUROLYZER ST O ₂ , CO, (differential) temperature	69332
EUROLYZER ST O ₂ , CO, (differential) temperature, draught	69333
EUROLYZER ST O ₂ , CO, (differential) temperature, draught, (differential) pressure	69334
EUROLYZER ST O ₂ , CO, NO, (differential) temperature, draught	69251
EUROLYZER ST O ₂ , CO, NO, (differential) temperature, draught, (differential) pressure	69252
Options	Pt.-No.
Package memory function	69303
Bluetooth interface	69236
Printer	69480

Your specialist distributor