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 measurcent 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*
- *Powerful NiMH rechargeable battery block provides for up to 8 hours of measurement*
- *Internationally normed plug connector system*
- *Unbeatable price/quality ratio*

Application

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

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

Technical Specification

Measured values, depending on equipment
O_2, CO/H_2, Flue gas temperature, combustion air temperature, draught, pressure

Calculated values, depending on equipment
CO undiluted, Lambda, CO_2, 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. separate differential pressure measurement)
Measuring range: 0 °C/+1000 °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: ±50hPa(draught)/±130hPa(diff.-pressure)
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)

O_2-Measurement
Measuring range: 0 ... 21 vol.-%
Resolution: 0,1 vol.-%
Accuracy: ± 0,2 vol.-% of meas. value

CO_2-Determination
Indicating range: 0 ... CO_2 max.
Resolution: 0,1 vol.-%
Accuracy: ± 0,2 Vol.-%

CO-Measurement
Measuring range: 0 ... 5000 ppm (nom.)/0 ... 9999 (max.)
Resolution: 1 ppm
Accuracy: ± 5 ppm (up to 50 ppm)
± 5% of meas. value (above 50 ppm)

Display
TFT colour monitor

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

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

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

Protective Sleeve with Magnet
Soft plastic

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

Housing
Mineral fibre plastic

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

Approvals
Acc. to BlmSchV and KUO as well as EN 50379-2

Weight (instrument only)
approx. 400 g

Instrument Variants
Eurolyzer ST for measurement of O_2, CO
and (differential) temperature **(Pt.No. 69332)**
EUROLYZER ST for measurement of O_2, CO, (differential) temperature, draught **(Pt.No. 69333)**
EUROLYZER ST for measurement of O_2, CO_2, (differential) temperature, (differential) pressure, draught **(Pt.No. 69334)**

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

Optional Extras
Bluetooth interface, Micro-SD-Memory Card, Printer