

Wöhler A 400 Flue Gas Analyzer

TECHNICAL DATA

Oxygen (O₂)

Sensor type.....electrochemical
 Range.....0.0...21.0 Vol.-%
 Resolution.....0.1 Vol.-%
 Accuracy.....± 0.3 Vol.-%

Carbon monoxide (CO) (Wöhler A 400^{PRO})

Sensor type.....electrochemical
 Range.....0...4,000 ppm
 Resolution.....1 Vol.-ppm
 Accuracy.....± 5 % f.m., absolute ±20 ppm

Carbon monoxide (CO) (Wöhler A 400 L)

Sensor type.....electrochemical
 Range.....0...10,000 ppm
 Resolution.....1 ppm
 Accuracy.....± 10 % f.m., absolute ±40 ppm

Nitrate monoxide (NO) (Wöhler A 400^{PRO})

Sensor type.....electrochemical
 Range.....0...1,000 ppm
 Resolution.....1 Vol.-ppm
 Accuracy.....± 5 % f.m., ± 5% Vol.-ppm (<100 ppm)

Draft / Differential Pressure (PD)

Unit.....Pascal
 Range.....± 100 hPa
 Resolution.....1 Pa
 Accuracy.....± 2 % f.m., absolute ± 5 Pa

Flue Gas Temperature (TS)

Unit.....°C
 Sensor type.....thermoelement (NiCr-Ni)
 Range.....-20...800 °C ± 2°C
 Accuracy.....133..800 °C: ± 1.5 % f. m.
 Resolution.....0.1 °C

Air Temperature (T_A)

Unit.....°C
 Sensor type.....semiconductor (Si-PTC-Ni)
 Range.....-20.0 °C...120.0 °C
 Resolution.....0.1 °C
 Accuracy.....±1 °C

Calculated Values

Effc. / SL.....efficiency and losses calculated in accordance to ASME standards
 ETA / Q_s.....efficiency and losses calculated in accordance to EN European Standards
 CO₂ in Vol.-%.....range 0 – CO₂max, resolution 0.1 %
 CO_c.....CO concentration (CO_{corrected}) air free, adjustable O_{2ref} reference level
 Dew point.....in °C / °F
 λ / EA.....Lambda λ (theoretical air), Excess air
 m_{COND}.....condensate quantity in condensing conditions

Work temperature.....+5°C...40°C

Storage temperature.....-20°C...50°C

Battery lifetime.....> 10 h (NiMH, 2000 mAh)

Weight.....640 g

Size.....205 x 85 x 220 mm (without probe)

Length cable-hose.....1700 mm

Length flexible probe.....540 mm