

ecom-EN3-F

INDUSTRIAL EMISSIONS ANALYSIS IN FIT TO FLY TRANSPORT CASE

Adjustment and monitoring of burners and large furnaces

- Compact analyzer with sample gas cooler
- For perfect NO_x / SO₂ measurements
- Aluminium housing with oscillating mounting
- Fitted in hardtop transport case
- Up to 6 sensor options (Longlife sensors)
- Possible CO₂ direct measurement with IR sensor
- Hydrocarbons measurement via IR sensor possible
- CO sensor overload protection without measurement interruption
- Electronic condensate monitoring
- TFT color display and backlit keypad

ecom-EN3-F EXPERT - Compact Analyzer

- With electronically monitored sample gas cooler
- NO_x version (equipped with O₂ / CO / NO / NO₂ sensor)
- Low-NO_x version is also possible.
- Up to a total of 6 gas sensors (including O₂ / CO / NO / NO₂ / SO₂ as well as IR-CO₂ or CH₄ sensors)
- With high-quality sampling probe including thermocouple (350 mm), cone and 3-chamber NO_x / SO_x tubing

For the adjustment and monitoring of engines, CHPs, and others

ecom-EN3-F ENGINE - Compact Analyzer

- With electronically monitored sample gas cooler
- NO_x version (equipped with O₂ / CO / NO / NO₂ sensor)
- Up to a total of 6 gas sensors (including O₂ / CO / NO / NO₂ / SO₂ as well as IR-CO₂ or CH₄ sensors)
- Low-NO_x version is also possible.
- Includes miniature heat shield on the probe cone
- Preset for NO_x measurements, as well as mg/m³ at 5% O₂ reference (freely adjustable)
- With high-quality sampling probe including thermocouple (350 mm), NO_x / SO_x tubing and mini-heat protection shield on the probe cone

Additional Options (amongst others)

- Optional Wi-Fi or Bluetooth Low Energy data transfer (including data processing via PC display or Smartphone)
- Built-in soot measurement via heated sampling probe
- Higher resolution and accuracy in the NO_{Low} (0-500 ppm) or NO_{2 Low} (0-100 ppm) range
- Probe tubing available in lengths 3.5 to 10 m
- Exchangeable probe tips in different lengths between 350 and 1500 mm (high-temperature and flexible tips also available)

Accessories (amongst others)

- Various filter options - including options for intensive solid fuel measurements
- Various temperature probes (contact sensor, surface sensor, ...) for differential temperature measurements (e.g. flow temperature and return temperature)
- Additional probe attachments (high temperature) or heat protection shield



ecom-EN3-F ENGINE optional package - Biogas

Gas concentration measurements at biogas plants

- CH₄ (NDIR) sensor, 0-100%
- H₂S (EC) sensor, 0-5000 ppm
- Viton sampling tubing 3 m

The optional package is also available as an upgrade for existing ecom ENGINE analyzers, under reserve of technical feasibility.

Our Service Department will be pleased to provide with corresponding information on request.

Measurable Gases

O ₂	CO	NO	NO ₂	SO ₂
H ₂ S	H ₂	CO%	CO ₂	C _x H _y

■ = Base; ■ = Optional EC, ■ = Optional IR, ■ = Optional CLD/PAS



Testing according to DIN EN 50379-2 and 1st. BImSchV.

Specific advantages - valid for all emissions analyzers

- Fuel types can be freely defined in addition to pre-configured standards
- Free PC software + Apps
- 10-year warranty (covers aluminium housing, availability of spare parts and free of charge firmware updates)