

ecom-J2KNpro EASY

POWERFUL EMISSIONS ANALYZER WITH
RADIO REMOTE CONTROLLER

- O₂ / CO (H₂-comp.) Longlife sensors
- Condensate trap or sample gas cooler including electronic condensate monitoring (depends on equipment package)
- Durable aluminium housing fitted in aluminium framed case
- Up to 6 sensor options (Longlife sensors)
- Brushless high-performance pump
- Powerful Lithium-Ion battery
- CO sensor overload protection without interruption of the measurement
- Multi-level sample gas filtering
- Electronic condensate monitoring with automatic draining
- Built-in soot measuring
- Instrument internal heating
- Calibration certificate - issued after 100 % - sensor calibration in the climate chamber
- Free PC software

Radio Remote Control (included in standard delivery)

- Wide range for bridging distances between the measuring point (exhaust opening) and the adjustment point (e.g. burner, switch cabinet etc.)
- Includes thermocouple, mini-USB connection (data transfer to laptop/PC), SD card slot
- Back-lit foil keypad with high-quality TFT color display
- Display, printing and storage of measurement data
- Full instrument operation (including manual CO shut off, starting and terminating measurements, data processing, ...)
- Reliable data transfer via radio (best-possible prevention of interferences, bypassing of metal or concrete obstacles, automatic connection establishment, no abrupt disruption of connection with maintenance of all measuring data, as well as automatic connection and re-establishment of a radio connection)

ecom-J2KNpro EXPERT - Compact Analyzer

for use at burners and large combustion plants

- Sample gas cooler including electronic condensate monitoring
- NO_x version (equipment with O₂ / CO / NO / NO₂ sensor)
- Low-NO_x feature is also possible
- Up to a total of 6 gas sensors (a.o. O₂ / CO / NO / NO₂ / SO₂)
- NO_x / SO₂ tubing

ecom-J2KNpro ENGINE - Compact Analyzer

for use in engines, CHPs, cogeneration plants

- Sample gas cooler including electronic condensate monitoring
- NO_x version (equipment with O₂ / CO / NO / NO₂ sensor)
- Up to a total of 6 gas sensors (a.o. O₂ / CO / NO / NO₂ / SO₂)
- Including miniature heat shield on the probe cone
- Preset for NO_x measurements, with mg/m³ at 5% O₂ reference (freely adjustable)
- NO_x / SO₂ tubing

ecom-J2KNpro 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%	C _x H _y	

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



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

Additional Options (amongst others)

- NO_x calculation via NO sensor or NO_x measurement (NO + NO₂ sensor) available
- Additional sensor options (SO₂, H₂S, H₂, CO%)
- Higher resolution and accuracy in the NO_{Low} (0-500 ppm) or NO_{2 Low} (0-100 ppm) range
- C_xH_y measurement via catalytic measuring method (Pellistor)
- Gas flow velocity
- Wi-Fi data transfer
- Probe tubing available in lengths between 3 m (standard) and 10 m
- Exchangeable probe tips in different lengths between 250 and 1500 mm (high-temperature and flexible tips also available)

Accessories (amongst others)

- Different filter options - including 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 shield

Dimensions (W x H x D) approx. 450 x 315 x 250 mm or 510 x 330 x 250 mm (depending on version)

Weight approx. 12 kg (in transport case)