ecom-J2KNpro INDUSTRY

EMISSION ANALYZER FOR INDUSTRIAL (PROCESS) MEASUREMENTS

- **Radio remote control with wide range of features**
- **Sample gas cooler made of stainless steel**
- **Durable aluminum housing in aluminium-framed case**
- **More than 8 gas components measurable (Longlife sensors + NDIR)**
- **Possibility of additional infrared measurement of up to 3 gas components**
- **Connection for heated sampling system**
- **High-performance sample gas pump (2.6 liters/minute)**
- **CO sensor overload protection without interruption of the measurement**
- **Multi-level sample gas filtering**
- **Electronic condensate monitoring**
- **Backlit display and keyboard**

ecom-J2KNpro INDUSTRY Emissions Analyzer

- O_2/CO (H_2 comp.) Longlife sensors (more than 4 years of operating life with normal load)
- Automatic CO shut-off and flushing (without interruption of the measurement)
- Equipped for continuous measurements in plants (up to 48 hours) with programmable measurement intervals.
- Stainless steel sample gas cooler for perfect, dry gas treatment
- Electronic condensate monitoring and automatic condensate draining
- Connection for heated sampling system (accessory)
- Built-in thermal quick printer
- Status display showing basic features, settings and alerts
- Delivered in an ultralight, durable aluminium housing
- T-Room sensor/ T-Room stick (as desired or depending on equipment package)
- Built-in soot measurement (included in standard delivery depending on probe equipment)
- Spacious aluminium framed transport case with comfort shoulder strap
- Calibration certificate - issued after 100% sensor calibration in the climate test chamber
- Free PC software

Radio remote control (included in standard delivery)

- Wide coverage for bridging distances between the measuring point (exhaust opening) and adjustment point (e.g. burner, switch cabinet etc.)
- Includes thermocouple, mini-USB connection (data transfer to laptop/PC), SD card slot
- Back-lit foil keyboard with high-quality color TFT 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)

Options (amongst others)

- NO_x- calculation via NO sensor or NO_x measurement (NO + NO_2 sensor) available
- Additional sensor options (SO_2, H_2S, H_2, CO%)
- Higher resolution and accuracy in the NO_{Low} (0-500 ppm) or $NO_{2\ Low}$ (0-100 ppm) range
- Infrared measurement (NDIR) of CO_2 (direct measurement),

CO_{high} as well as C_xH_y (calibrated to CH_4 methane or C_3H_8 propane
- C_xH_y measurement via catalytic measuring method (Pellistor)
- Stainless steel sample gas cooler for loss-free sample gas treatment for water soluble gases
- Dynamic pressure measurement
- Wi-Fi data transfer

Accessories (amongst others)
Gas Transport
- Via NO_x/SO_x tubing in different lengths
- Heated sample tubing in different lengths

Sampling Probe
- Heated sampling probe with probe pre-filter in different lengths
- Heated or unheated probe handle with various probe attachments (different lengths and temperature resistance levels)
- Various additional 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)
- Heat protection shields
- Separate rechargeable battery box

Dimensions (W x H x D) 500 x 330 x 250 mm
Weight approx. 14 kg (total weight in case)

Measurable Gases

O_2	CO	NO	NO_2	SO_2
H_2S	H_2	CO%	CO_2	C_xH_y

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

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

NOTE
Even more accurate infrared (NDIR) measurement methods, chemi-luminescence (CLD), as well as photoacoustic spectroscopy (PAS) are available in the model ecom-J2KNpro TECH.