

ecom® • J2KN •

Robust and service-friendly

rbr  
Products



Combination of measuring case  
and handy analyser

Removable control module  
with radio transmission

High-speed thermal printer

Automatic condensate drainage

Flexible data memory using  
multi-media cards

## Service-friendly construction

The ecom-J2KN is designed in such a way that all wearing parts can be exchanged easily. Sensors and accumulator can be substituted without instrument disassembly.

Important components are installed within the robust metal housing which can be dismantled quickly for repair or maintenance works.

## Practical sampling probe

The gas sampling probe is equipped with a heated soot measurement feature which guarantees dry soot filter papers for an accurate value determination. The probe design is modular, enabling the easy exchange of the probe pipe. No tool is required to release the swivel nut fixing the pipe.

Alternative lengths until 1500 mm are available to meet the most different requirements.

## Robust instrument case

The ecom-J2KN is embedded in an aluminium-framed transport case which protects the instrument against damages - also during the heavy-going daily use.

In addition, all components required for a proper measurement like gas sampling probe and combustion air sensor can be practically stored in the case cover.

## Flexible data memory using multi-media cards

The ecom-J2KN enables the memorisation of measurement data - regardless if punctual measurements or data logging series- on multi-media cards (up to 128 MB).

Values from punctual measurements get stored in a text file and data logging records in a csv-file. Both data types have the same structure and can be easily imported in Excel.

## Equipment

### Measuring variables

- O<sub>2</sub>, CO, (CO%, NO, NO<sub>2</sub>, SO<sub>2</sub> optional), T-Gas, T-Air, differential pressure, soot

### Calculation variables

- CO<sub>2</sub>, CO(U), efficiency, losses, excess air, dew point, mg/m<sup>3</sup>, mg/kWh, O<sub>2</sub> reference, mean values calculation (option)

### Display

- LCD display, 78 x 58 mm, max. 8 lines
- Back-lit, graphic-capable

### Probe

- Pistol grip probe 290 mm with 3-chamber hose 3 m
- Electrically heated probe for dry soot patterns
- High temperature probe 750 mm, range up to 1100 °C (option)

### Preparation of sampled gas

- Quick gas transport (measuring values quickly available)
- Condensate trap with fine dust filter
- Automatic condensate evacuation
- Electronic condensate monitoring
- Electric gas cooler (option)

### Safety

- Temperature trend indication to locate core flow
- CO sensor shut-down without measurement interruption
- Fresh air purge by CO overload, fresh air purge after measurement termination
- Contaminant filter for CO sensor

### Printer

- High-speed thermal printer 58 mm
- Matrix printer 58 mm (option)

### Connections

- Connection for membrane keyboard
- Serial interface for data transfer

### Data processing

- Internal memory (1500 measurements)
- Multi-media card as memory
- Measured values series on multi-media card
- Data exchange with PC program (option)
- External keyboard for data input (option)
- On-line DAS program (option)

### Transport

- Transport case

### Dimensions/Weight

- Dimensions (W x H x D): 450 x 300 x 250 mm
- Weight: ca. 10 kg complete with sampling probe

Contact below rbr agency for more information