ecom® • KD •

Comfortable and extensive

rbr Products

Individually programmable user key

NO_x measurements without heated sampling

2 universal measured value inputs

5 additional temperature inputs

Instrument air-conditioning for high measuring accuracy

ecom® • KD •

Monitored automatic mode for **long-term measurements**

Additional elements in the equipment of the ecom-KD such as condensate pump, gas cooler or solenoid valve technology permit long-term operation of the measuring device. Intervals can be given for the measurement; after a measuring phase the device switches independently to fresh air operation and automatically conducts a calibration phase for the sensor system. In data logger mode the measured values for all channels connected are recorded.

Heating diagnosis operation for **weak points analysis**

The heating diagnosis enables the heating specialist to highlight weaknesses in the stock of old installations directly on site way beyond statistical determination of exhaust gas loss. After the end of the diagnostic period (of, for example, 24 hours) the instrument draws up an extensive protocol with diagnostic data which soon reveal over-dimensioning or deficiencies in the installation.

Electric **measuring gas cooler**

A measuring gas cooler to dry the exhaust gases is absolutely essential in particular at low exhaust gas temperatures with correspondingly high amounts of condensate and if the measuring devices is operated for an extended period. The ecom-KD has a high-powered Peltier cooler. The measuring gas is therefore dried effectively, the sensors are protected and their long-term stability ensured in a sustainable manner.

Individually programmable **user key**

The instrument may only be put into operation with an electronic key. This ensures that only authorized persons can work on it; in unsupervised long-term operation all input functions are locked when the key has been withdrawn. A number of user keys can be created for each instrument.

Equipment

Measuring variables
- O_2; CO; NO; (CO%, NO_2, SO_2 as option); T-Gas; T-Air; pressure; soot

Calculation variables
- CO_2; CO(U); efficiency; losses; lambda; dew point; mg/m³; mg/kWh; O_2 reference, mean values calculation (option)

Display
- LCD display; 100 x 80 mm; max. 17 lines
- Back-lit; graphic-capable; touch-screen

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

Preparation of measuring gas
- Quick gas transport (measuring values quickly available)
- Condensate trap with fine particle filter
- Automatic condensate drainage
- Electronic condensate monitor
- Electric measuring gas cooler

Safety
- CO shut-down without interruption of measurement
- Fresh air flushing by CO overload
- Fresh air flushing after measuring operation
- Separate fresh air connection; contaminant filter for CO sensor
- Instrument heating/air-conditioning
- Automatic mode
- User key

Printer
- Matrix printer 58 mm

Connections
- Connection for gas pressure sensor
- Serial interface for data transfer, Centronics interface
- Connection for remote control by cable, connection for heated probe
- 5 connections for additional temperature sensors
- 2 analogue inputs for additional measuring variables

Data processing
- Membrane keyboard for data input
- On-line DAS program
- Measured value series on internal printer, measured value series on RAM card
- Measured value series to PC in Excel format
- Long-term measurements; heating diagnosis

Transport
- Transport case

Dimensions/Weight
- Dimensions (W x H x D): 510 x 300 x 260 mm
- Weight: approx. 14 kg complete with sampling system

Contact below rbr agency **for more information**

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