

Flexible and upgradable

Along with the outstanding features listed above the **ecom-J2K** is upgradable with additional features. A multitude of upgrade options allows an individual instrument version. For extended measurement applications NO, NO₂ and SO₂ sensors can be implemented. Using a special sampling technique, accurate NO_x and SO₂ short-term testings (15 minutes) can be performed without the necessity of using a heated sampling system.

Function / Features	Standard	Option
O ₂ measurement	x	
CO measurement	x	
T-Gas measurement	x	
T-Air measurement	x	
Differential pressure measurement	x	
Optical flow control	x	
More than 1500 customer data storable	x	
Proven condensation trap with monitoring	x	
Automatic position monitoring	x	
Automatic condensation evacuation		x
Electrical gas cooler		x
Thermal „quick printer“		x
Matrix printer		x
Heated probe for smoke measurement		x
NO measurement		x
NO ₂ measurement		x
SO ₂ measurement		x
CO% measurement		x
T-Air measurement wireless		x
Heated sampling system		x
Service transport case		x
Magnet fixation for control module		x
Special loading unit for ecom-J2K		x

Additional protection against humidity and condensation penetration into the instrument can be achieved using the electrical gas cooler and the automatic condensation evacuation. Connected to the proven heated pistol grip probe the **ecom-J2K** automatically performs dry soot dot analysis. Higher printer requirements can be fulfilled by the optional quick thermal printer or the matrix printer.

ecom[®]-J2K

New, state of the art analyser from rbr



**Wireless
operation**

**Field-
experienced,
robust housing**

**Proven
condensation
evacuation**

**NO_x analysis
without
heated sampling
system**

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Perfection In New Design

ecom[®]-J2K

Advanced wireless design
eliminates messy cables

Top Quality Measurement
Technology

Detachable control module

The detachable, wireless control module allows the operator to analyse the combustion parameters and adjust the firing plant regardless of constructional conditions and of the position of the exhaust pipe.

All functions like:

- CO sensor shut-off
- viewing measured parameters
- storing measurement values
- printout start
- etc.

can be monitored by the control module.

All measurement results are displayed on the large, backlit graphics display.

Relevant values can be viewed simultaneously and, if desired, the zoom function will display only selected parameters.



Compact basic module

The **ecom-J2K** is produced with the same high level of quality and precision you have come to trust from **rbr**. The standard version already include temperature-compensated O₂ and CO sensors. The combustion air temperature sensor can be plugged in the control module or in the basic module as desired. Further standard features are the thermal printer integrated in the basic module and the proven condensation trap with electronic monitoring which reliably prevents humidity to penetrate the instrument and herewith prolongates the life span of the sensors. The **ecom-J2K** performs a self-calibration after each power up via a separate fresh air inlet, avoiding herewith erratic calibrations. The proven CO overload protection with sensor fresh air purging makes the instrument concept complete and perfect.

Control module:

- Wireless operation
- All functions monitorable from control module
- Large graphics display
- All values at a glance
- Display with zoom function
- Pluggable memory up to 128 MB

The complete electronics including the memory units are located in the control module which can be used independently from the basic module for data processing purposes. More than 1500 customer data records are storable in the standard 0,5 MB memory. The memory capacity can be extended up to 128 MB using the optional multi-media card to store service data, spare parts lists and article data.

Proven ecom technology:

- Efficient condensation trap with electronic monitoring
- Robust gas pump for quick response time & stable readings
- Separate fresh air inlet for calibration
- CO overload protection with sensor fresh air purge
- Accuracy thanks to sensors temperature compensation
- Integral thermal printer