

Fast measurement, fast controlling, fast switching



KLEIBER KG 315 K

Special unit for coke production industry with internal data logger

Portable pyrometer

Memory for 2000 values
with date and time to store

Vario optics for distances
between 1 ... 12 m

Spot size diameter
between 4,5 ... 42 mm

Infrared interface



600 ... 1600°C

The **KLEIBER KG 315 K** is a special **handheld pyrometer** designed for the specific requirements of the **coke industry**. The concept for the unit was **developed in co-operation with the leading German manufacturer of coke furnaces**. This co-operation ensures the highest reliability and ease of operation.

The instrument comes with an **internal data logger to store up to 2000 measured values** with date and time, to assure the complete documentation of all controlling visits for the coke oven. This guarantees full quality documentation.

The **vario optics** in combination with the through the lens sighting provides a firm base to work with and offers a **small spot of approximately 42 mm at a distance of 12 m**, therefore ensuring it is always easy to aim at the same area in the oven for the measurements. The

measured value is clearly visible in the instrument viewfinder.

The **KG 315 K can be operated by one hand**, using the button located on top of the instrument to make a measurement.

An **infrared interface** is available to transfer the values from the internal memory to a PC after finishing the inspection patrol. The

evaluation software enables the measured values to be displayed and transferred to an Excel file for analysis.

A wide range of application specific accessories is available.

Application:

- Coking plants
- Furnaces



KG 315 K with infrared interface to read out data

KLEIBER combines decades of experience with a passion for cutting-edge technology.

Technical Data - KG 315 K

Product:	KG 315 K
Measuring range:	600 ... 1600°C
Spectral range:	1.58 ... 1.8 µm

Interface:	infrared- interface to pyrometer, RS 232 interface to PC
Memory:	2000 values with date and time
Accuracy:	0.75% of measured value at $\epsilon = 1$
Repeatability:	< 0.3 % of measured value
Emissivity ϵ :	adjustable between 0.15 ... 0.99 in steps of 0.01
Standard optic:	Vario optics
Distance:	1 ... 12 m
Spot size:	4.5 ... 42 mm
Aiming:	through the lens sighting with mirrored in value display and radial field mark
Power supply:	6 x AA rechargeable battery 1.2V 1800 mA, NiMH
Housing dimensions:	260 x 70 x 70 mm (L x W x H)
Weight:	ca. 1.3 kg incl. battery
Test base:	EN 55011:1998, limit class: A
CE-Mark:	in accordance with EU-regulations
Scope of delivery:	<p>KG 315 K (basic configuration) 1 set of 6 AA rechargeable batteries 1.2 V, 1800 mA, NiMH heat protection cover, grey filter, tool to adjust the grey filter, high temperature protection window, handstrip, charger for internal charging, user manual</p> <p>Carrying case complete set contains additionally (complete configuration): infrared interface unit IRS 315 with power supply, evaluation software, charger power line 6 for external battery charging, carrying strap with hook</p>

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Distance and spot size

Distance (m):	1	2	3	4	5	6	7	8	9	10	11	12
Spot size (mm)	4.5	7	9.5	12	14.5	18	22	26	30	34	38	42

Carrying case (complete configuration)



Accessories (selection)

Item
Carrying case (as mentioned above)
Carrying strap with hook
High temperature protection window
Heat protection shield
Heat protection cover
Grey filter
Tool to adjust the grey filter
Infrared interface unit IRS 315 with software
Rechargeable battery 1.2 V, 1800 mA
Charging unit for external battery charging

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Made in Germany

Specifications are subject to change without notice .