

Fast measurement, fast controlling, fast switching



## KLEIBER KG 315 B

*Portable pyrometer for documentation and control of high temperature processes*

Portable pyrometer

Memory for 2000 values with date and time to store

Vario optics for distances between 2 ... 12 m

Spot size diameter between 8 ... 50 mm

Infrared interface



600 ... 1600°C

The **portable KLEIBER KG 315 B** pyrometer is suitable for the **documentation and controlling of high temperature processes on metallic surfaces**.

Applications can be found in **steel production, metal processing and furnace areas**. The **robust design** also makes it suitable for applications in harsh industrial environments.

The **high capacity internal data logger stores up to 2000 data samples** and is particularly suitable for extensive inspection patrols. The ability to save time and date of the measured value is an important aspect of quality assurance.

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 50 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 B 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 to complete this special unit.

#### **Application:**

- Steel production
- Metal processing
- Furnaces



KG 315 B with infrared interface to read out data

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

## Technical Data - KG 315 B

Product:	KG 315 B
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 $\epsilon$ :	adjustable between 0.15 ... 0.99 in steps of 0.01
Standard optics:	vario optics
Distance:	2 ... 12 m
Spot size:	8 ... 50 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 B (basic configuration)</p> <p>1 set of 6 AA rechargeable batteries 1.2 V, 1800 mA, NiMH</p> <p>heat protection cover, grey filter, tool to adjust the grey filter, high temperature protection window, handstrip, charger for internal charging, inspection sheet, user manual</p> <p>Carrying case complete set contains additionally (complete configuration):</p> <p>infrared interface unit IRS 315 with power supply, software, charger power line 6 for external battery charging, carrying strap with hook</p>

KL0107-01

### Vario optics

Meas. distance (m):	2	3	4	5	6	7	8	9	10	11	12
Spot size (mm)	8	11.5	16	20.5	25	29.5	34	38	42	46	50

### 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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