

KERN OBS 105

The school microscope – for the first steps in microscopy and for use in biology lessons



Article codes, product groups & Status information

Model article-code	OBS 105
Model-Serie	OBS-1
Assortment	Microscopes & Optical Metrology
Product Type	Microscopes
Product group	Transmitted light microscopes
Product usage type	Main article
EAN code (Model)	4045761228382
Successor Model	OBT 103
Planned start date	2019-2HJ
Customs tariff number	90118000
Model Status	Yes
CE Label	Yes
Country of Origin	CN

Technical data - Primary

Optical System	Finite
Tube	Monocular
Eyepiece	Eyepiece WF 10x / Ø 18mm with anti-fungus
Standard Objectives	10x;40x;4x
Objective quality	Achromatic
Illumination	0,5W LED (Durchlicht)

Technical data - Construction

System	Upright
--------	---------

Tube angle	45°
Tube rotation	Yes
Nosepiece positions	4
Eye distance (max)	75 mm
Eye distance (min)	55 mm
Focusing mechanics	Coaxial coarse and fine drive
Fine drive minimum	0,00025 mm
Table traveling distance	75 mm;18 mm
Aperture diaphragm	Yes
Condenser Type	Abbe
Condenser aperture	1,25
Condenser mounting	Fixed
Dimensions (W×D×H)	130×300×310 mm

Technical data - Power supply

Power supply kind	Power adapter
Input Voltage	100 - 240 V
Protection Class	Class III - Low voltage
Cable attachment	Removable
Battery type	NiMH
Battery charger	Yes
Battery compartment	Internal - in the housing

Technical data - Environmental conditions

KERN OBS 105

The school microscope – for the first steps in microscopy and for use in biology lessons



Storage Temp Min -5 °C

Storage Temp Max 40 °C

Technical data - Packing & Shipping

Dimensions packaging (W×D×H) 425×280×220 mm

Gross weight 4,0 kg

Net weight 3,2 kg

Shipping method Parcel service

UN number 3496

Packaging component - by weight - paper 1,724 g

Packaging component - by weight - cardboard 699,944 g

Packaging component - by weight - plastics 10,344 g

Packaging component - by weight - styrofoam 149,988 g

Packaging component - by weight - foam 0 g

Delivery time 1 d

Technical data - Verification

WEEE Yes

Technical data - Illumination

Illumination directions Transmitted light

Transmitted light type LED

Transmitted light intensity 0,5 W

Dimmable Transmitted light

Functions

Standard

