

KERN OKO 178

The fully-equipped reflected and transmitted light microscope for numerous applications in metallurgy



Article codes, product groups & Status information

Model article-code	OKO 178
Model-Serie	OKO-1
Assortment	Microscopes & Optical Metrology
Product Type	Microscopes
Product group	Metallurgical microscopes
Product usage type	Main article
EAN code (Model)	4045761490031
Predecessor Model	OKO 178-2.019a; OKO 178-2.021a; OKO 178-2.025a
Planned start date	2026-2HJ
Customs tariff number	90118000
CE Label	Yes
Country of Origin	CN

Technical data - Primary

Optical System	Infinity
Tube	Trinocular
Eyepiece	Eyepiece HWF 10x / Ø 22mm with anti-fungus, high eye point
Standard Objectives	10x;20x;50x;5x
Objective quality	Infinity semi apochromatic
Illumination	5W LED (transmitted light), 5W LED (reflected light)

Technical data - Construction

System	Upright
Tube type	Siedentopf
Tube angle	30°
Tube rotation	Yes
Nosepiece positions	5
Eye distance (max)	75 mm
Eye distance (min)	50 mm
Adjustable dioptr	Both-sided
Focusing mechanics	Coaxial coarse and fine drive
Fine drive minimum	0,002 mm
Table traveling distance	77 mm;52 mm
Aperture diaphragm	Yes
Condenser Type	Abbe
Condenser aperture	1,25
Condenser mounting	Centerable
Dimensions (W×D×H)	472×211×440 mm

Technical data - Power supply

Power supply kind	Power adapter
Input Voltage	100 V - 240V AC 50/60Hz 0,3A
Power Plug	Hohlstecker, innen Plus, Ø außen 5.5 mm, Ø innen 2.5 mm, lang 10 mm
Protection Class	Class III - Low voltage
Cable attachment	Removable

Technical data - Environmental conditions

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Storage Temp Min -5 °C

Storage Temp Max 40 °C

Koehler

Yes

Technical data - Packing & Shipping

Dimensions packaging (W×D×H) 520×470×450 mm

Gross weight 13 kg

Net weight 11 kg

Shipping method Parcel service

Packaging component - by weight - paper 0 g

Packaging component - by weight - cardboard 1.865 g

Packaging component - by weight - plastics 12,5 g

Packaging component - by weight - foam 0 g

Delivery time 1 d

Technical data - Verification

WEEE Yes

Technical data - Illumination

Illumination directions Reflected light; Transmitted light

Transmitted light type LED

Transmitted light intensity 5 W

Incident light type LED

Incident light intensity 5 W

Dimmable Incident light + Transmitted light, separate

Functions

Standard

