PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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KERN OKO 178C832

Digital set with metallurgical microscope, camera and C-mount adapter

ENGLISH



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FEATURES

- The KERN OKO 178 metallurgical microscope is now also available as a complete digital solution in a practical set with the KERN ODC 832 C-mount camera and matching C-mount adapter

OKO 178

- This device is a professional, versatile, metallurgical microscope, which is used in testing metals and analysing surfaces
- The KERN OKO is a combi variant of LED incident illumination and LED transmitted illumination. A height-adjustable 1.25 Abbe condenser which can be centred as well as a field diaphragm for complete professional Köhler illumination are part of the standard version
- An open, mechanical angle table is integrated as standard
- A simple polarising unit (analyser and polariser) is included with delivery

ODC 832

- The universal microscope camera can be used anywhere and can be connected to the microscope as well as to a laptop or PC using the USB cable (USB 3.0)
- Through the proven CMOS technology, in connection with the USB the images are shown quickly and clearly
- These cameras are also ideal for more demanding applications, such as, for example, darkfield, phase contrast and for fluorescence applications
- Your daily work is made significantly easier with the very best synchronisation, a high frame rate as well as stable image performance when used in conjunction with our free PC software, VIS 2.0 PRO or VIS 2.0 LITE
- The power supply is through the USB cable, which means that no additional power supply is required

MAIN SCOPE OF APPLICATIONS

- Metallurgy
- material testing
- Quality control

PICTOGRAMS

Standard



ACCESSORIES

Model	Description
OBB-A1134	Object holder for two carriers OBB-A1134
OBB-A1165	Yellow filter OBB-A1165
OBB-A1170	Blue filter OBB-A1170

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Model	Description
OBB-A1183	Grey filter OBB-A1183
OBB-A1188	Green filter OBB-A1188
OBB-A1241	Objective 100x (Infinity Plan) OBB-A1241
OBB-A1325	Additional plate for work table OBB-A1325
OBB-A1389	Protective dust cover OBB-A1389 (700×900 mm)
OBB-A1470	Transmitted light polarizer OBB-A1470
OBB-A1514	C-Mount camera adapter OBB-A1514 (1x)
OBB-A1515	C-Mount camera adapter OBB-A1515 (0,5x)
OBB-A1530	Objective 80x (Infinity Plan) OBB-A1530
OBB-A1590	Microscope Camera Adapter OBB-A1590 (0,75x)
OBB-A1620	Objective Infinity Plan Semi Apochromatic 10x OBB-A1620
OBB-A1623	Objective 100x (Infinity Plan Semi Apochromatic) OBB-A1623
OBB-A1655	Infinity planachromatic objective 2x /0,06 W.D. (7,2 mm) OBB-A1655
OCS-A1101	Cleaning liquid OCS-A1101
OCS 901	Cleaning set for microscopes OCS 901
ODC-A2404	Calibration slide ODC-A2404
ODC-A8102	Eyepiece adapter for microscope cameras ODC-A8102 (Ø 23,2 – Ø 30 mm)
ODC-A8103	Eyepiece adapter for microscope cameras ODC-A8103 (Ø 23,2 – Ø 30,5 mm)
ODC-A8105	Eyepiece adapter for microscope cameras ODC-A8105 (0,5× / 23,2 mm)
ODC 241	Tablet microscope camera ODC 241 (5 MP, WiFi, USB 2.0, MicroSD, Wireless data transfer, HDMI Micro)
ODC 251	Tablet microscope camera ODC 251 (8 MP 4 K, Ethernet, WiFi, USB 2.0, USB 3.0, HDMI, Wireless data transfer)
ODC 825	Microscope camera ODC 825 (5,1 MP, USB 2.0)
ODC 832	Microscope camera ODC 832 (5,1 MP, USB 3.0)
ODC 841	Microscope camera ODC 841 (Sony CMOS, 1", USB 3.0)
ODC 854	Microscope camera ODC 854 (8 MP 4 K, USB 2.0, USB 3.0, HDMI)

SOFTWARE

Model	Description
OXM 902	KERN microscope software OXM 902 Microscope VIS 2.0 PRO
OXM 903	KERN microscope software OXM 903 Microscope VIS 2.0 LITE

KERN Pictogram Overview

	360° rotatable microscope head
	Trinocular Microscope: For the inspection with both eyes and the additional option for the connection of a camera
	Abbe Condenser: With high numerical aperture for the concentration and the focusing of light
	LED illumination: Cold, energy saving and especially long-life illumination
	Polarising unit: To polarise the light
	Infinity system: Infinity corrected optical system
	Length measurement: Integrated scale in the eyepiece
	Data Interface USB: For connection to printers, PCs or other peripheral devices
	Plug-in power supply: 230V/50Hz in standard version for EU, CH. On request GB, USA or AUS version available
	Package shipment by courier service: The duration of internal product provision is one day

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