PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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KERN OKO 178T251

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 251 tablet microscope 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 251

- The KERN ODC 251 microscope tablet camera consists of an Android tablet with a 10.5" HD touch display in combination with an 8 MP camera. It is intuitive to use and is suitable for all trinocular microscopes with a C-mount adapter
- The KERN tablet cameras have been specially developed for simple, direct monitoring of samples on the screen, whether used in the laboratory, in quality testing or in training and studying
- The integrated high-performance camera has an 8 MP image sensor with a sensor size of 1/1.8" and is able to record videos with a resolution of 4K. In this way, as well a live transfer of the image to the Android table, high-resolution images and videos can also be created for the documentation. Measuring functions, such as, for example, functions for measuring distance and surfaces are also available
- Automatic white balance and automatic contrast adjustment can be performed quickly and easily, which enables efficient working procedures
- A range of additional functions are provided through the integrated interfaces, such as, for example
  - Data storage on a USB stick
  - Connection to a USB mouse
  - Transfer of the live image to an external screen using HDMI
  - Transfer of stored data to a computer via USB data cable

MAIN SCOPE OF APPLICATIONS

- Metallurgy
- material testing
- Quality control

PICTOGRAMS

Standard



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ACCESSORIES

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

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
	Data interface Bluetooth: For connection to printers, PCs or other peripheral devices
	Data interface WiFi: For data transfer to printers, PCs or other peripheral devices
	Network interface: For connecting the measuring device to an Ethernet network
	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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