

METOCHECK Mini-Scope

The digital microscope that fits in the palm of your hand



USB Microscope incl. driver software for
Microsoft Windows Computer
Also works on laptops

What is the METOCHECK Mini-Scope?

The METOCHECK Mini-Scope is a handheld digital microscope. It doesn't have an eyepiece so you don't look into it. Instead, the METOCHECK Mini-Scope connects to your computer through its USB port. You see the image right on your computer screen. Everything you see can be saved on your hard disk

The optional measuring software allows precise measurement of distances, angles, surfaces, diameters etc. and turns your Mini-Scope into a precise low-budget measuring microscope.

The easy usage and tiny light weight design make the Mini-Scope an ideal digital microscope at your workstation whenever a quick and uncomplicated view of details (incl. measures) is needed. It will not substitute but assist expensive lab equipment by reducing lab work and making decisions faster.

What can you look at with the METOCHECK Mini-Scope?

How about PCB (populated or bare), films, inner layers, surfaces of any materials, material examination, precision parts and components; security marks, trace widths, etched parts, flexographic printing plates (dot size).

Not only for industrial use: The low budget Mini-Scope is ideal for Hobby, work at home, school, study, seminars etc. Just imagine to read the tiny letters in CD-songbooks or manuals in big letters on your monitor, see details of stamps, coins, insects, fabric, jewels, electronics - there is no end to uses for your METOCHECK Mini-Scope.

The METOCHECK Mini-Scope lets you view objects at 40x and 140X magnification. The single slider controls both magnification and focus at once. The compact design with built-in lighting means there are no extra parts to lose or to leave behind. And because the METOCHECK Mini-Scope works with a laptop computer, you can take it anywhere you want to get a close up view. Take it directly on to the production floor.

With the METOCHECK Mini-Scope, you don't just see, you also record. Save still images or movies with labels and markers that you place right on the live picture. You can even draw on the picture to point out the important features. Then print or e-mail that picture or add it to a report. The optional measuring Software Toolbox-Pro provides precise measuring of the details in the image.

An optional GPS Module saves the place and time to the images

Technical data:

Imagesensor: 1/3" C-MOS –Chip with 640x480 px,
 Resolution: 10 µm at 140x magnification,
 Field of view: 1,8 x 2,5 mm (140x) or 7,5 x 10 mm (40x)
 Illumination: Eingebaute LED illumination mit automatischem Weißabgleich
 Frames: 12 to 15, depending on graphic card and memory
 Power supply: via USB-Port

System requirements:

Computer Pentium III or higher, Windows2000/ XP/Vista, Direct 8x or higher, Internet Explorer 5 or higher.
 For Mac-computers special drivers are available.

Image examples:

Printed circuit boards and electronics:



Watch 40x



Watch 140x



Printing



Document



Spider eyes



Beetle



Coin



Fingerprint



Prices (ex works, plus VAT)

METOCHECK Mini-Scope – Basic

Mini-Scope Digital microscope
40x / 140x magnification
LED illumination
Video-Toolbox-Software for saving images



METOCHECK Mini-Scope – SW

Mini-Scope Digital microscope
40x / 140x magnification
LED illumination with on/off switch for use with external light sources
Video-Toolbox-Software for saving images



METOCHECK Mini-Scope – SW-Pro

Mini-Scope Digital microscope
40x / 140x magnification
LED illumination with on/off switch for use with external light sources
Light table for back illumination, battery operated
Hard case
Video-Toolbox-Pro Software with measuring functions



METOCHECK Mini-Scope – IR

Mini-Scope Digital microscope
40x / 140x magnification
Built in white LED and IR-LED (780 nm) switchable
Video-Toolbox-Software



METOCHECK Mini-Scope – UV

Mini-Scope Digital microscope
40x / 140x magnification
Built in white LED and UV-LED, switchable
Video-Toolbox-Software



METOCHECK Mini-Scope – MP

Mini-Scope Digital Microscope 1,3 MP camera, high resolution
12 / 140x magnification
LED illumination with on/off switch for use with external light sources
Video-Toolbox-Pro Software



Accessories:

Calibration scale

Stand MP for Mini-Scope MP

Low profile stand to position the Mini-Scope at a fixed height. Perfect for viewing and measuring cross-sections or thick objects. The fixed height allows for precise calibration and repeatable measurements. Also lowers the magnification 12x / 140x with increased field of view



Stand M2-II/Adapter lens

This stand is designed to lower the magnification of the Mini-Scope to 6-40x and increase field of view. Removable reducing lens allows more of the object to be view and captured. Stand positions the scope at the correct height, 3" x 3" x 3"



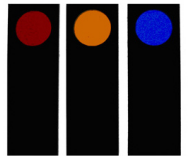
Set of Shims

The shims are designed to view thick objects with the Mini-Scope and to adjust the magnification and field of view. The shims fit around the sample and raise the level of the Scope, allow for the repeatable positioning of the scope. Set of 4 rings of adjustment in 1/16" increments to 1/2"



Colour filters

These filters fit into the base of the Mini-Scope to filter and isolate a narrow bandwidth of a single colour: blue, red, orange. Also included is an IR-pass filter for performing IR fluorescence imaging



Hard Case

Water tight hard case with pressure purge valve and strap, form fitted foam insert



Light table

Portable battery powered light table, size about 10 x 13 cm



GPS-Module

GPS system which plugs into a free USB port on a computer. Video ToolBox software reads the information from the GPS receive and can insert that information into any captured image or movie.

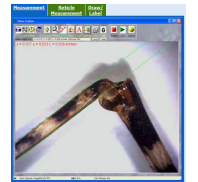
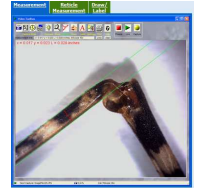
Software and Software-Plugins

MAC-Software

Driver-Software for MAC-computers, must be ordered separately as option

Video-Toolbox

Standard-Software with simple measuring functions
(Without calibration scale, must be ordered separately)



Video-Toolbox-Pro

Advanced software for digital imaging. Display, capture, record, edit, label, measure, print, e-mail and imaging tools that anyone can use with special advanced measurement tools
(Without calibration scale, must be ordered separately)

Focus-Lock-Plugin

FocusLock™ is a software program which can enhance the depth of focus of images from a microscope or video inspection system



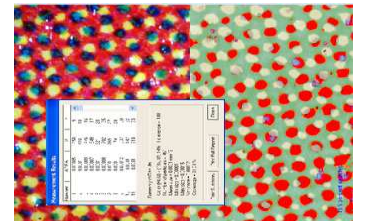
Video Averager Plugin

Video Averager™ is a software plugin which can eliminate the noise and improve the low-light images from a microscope or video inspection system.



Particle Analyzer Plugin

Particle Analyzer™ is a software program which can count the number of particles in an image from a microscope or video inspection system



Footswitch-Plugin

Software Plug-in and footswitch to allow capture of still images and movies while performing two-handed inspection. The footswitch needs an extra USP port

