

ASMETEC GmbH, a Germany based supplier to the european electronic industry introduces new handheld video-microscopes for on-board measurement and inspection:

METOCHECK Video-Microscope MST-2090

The METOCHECK MST-2090 is an ideal video measuring microscope to be used at your indoor and outdoor workplace. The handy USB-powered video microscope is equipped with an 1,3 MPix C-MOS-true colour camera and a variable and foldable stand. The system provides magnifications of 90x and 180x, but using additional objectives magnifications up to 450x (based on 14" screen)



The basic set comes with 2 objectives, a adjustable LED-ring light and the video metrology software METOCHECK PCB, making this system a precise and easy to handle video measuring microscope

Optional illumination systems, also battery powered and further hardware is available

The foldable and height adjustable MST-Stand made of solid aluminum provides a secure stand on both flat and rounded surfaces like rollers. A soft plastic coating prevents sensitive surfaces from scratches or other defects.

The MST-2090 is especially suited to inspect and measure directly and on board of printed circuit boards, films, inner layers, cross sections, prepregs, printing plates, casted parts, fabric, rolls, but also in the construction industry e.g. to measure cracks ion concrete or the printing industry to check mesh, screens and printings. The applications are unlimited.

It can be connected to any modern computer or notebook based on Windows XP or VISTA via USB 2.0 port. The metrology software METOCHECK PCB offers a user surface in 27 languages. It is very easy to use and provides a wide range of measures such as various distances, angles, surfaces, diameters plus special tools

to measure 2/3 circles with all relations, polygones, tool geometry and many more. By mouse click it generates an user-editable Excel-based quality report including the image and all measured data.

This handy, foldable and robust microscope with weight of about 700 gram, height ab. 20 cm, width 16 cm, folded width 5 cm fits into any laptop/notebook bag making the whole system the ideal metrology tool for salesmen and technicians.

Video-Microscope METOCHECK MST-2090, scope of delivery

- Variable, foldable solid aluminium stand for flat and rounded surfaces
- USB-C-MOS-camera colour 1024 x 1280 Pixel (optional 1200 x 1600 Pixel available)
- LED ring light with adjustable power supply
- Objectives 2x und 4x for 90/180x magnification
- METOCHECK PCB metrology software (detailed description available)



As option we provide a special stand with cross moving and rotation table with 1/8" adapter for drills and routers used in the pcb industry. This stand eases the accurate alignment of small items and resin bedded cross sections

The complete set including the metrology software comes as a special offer to introduce the system. Please contact ASMETEC by e-mail info@asmotec.de or visit the website www.asmetec.com

METOCHECK MiniScope

As a starter set for video metrology systems ASMETEC offers a tiny handheld USB-powered microscope called MiniScope incl. metrology software priced way below 400 Euro!



Miniscope



light table



waterproof case

What is the METOCHECK MiniScope?

The METOCHECK MiniScope is a handheld digital microscope. It doesn't have an eyepiece so you don't look into it. Instead, the METOCHECK MiniScope 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 MiniScope into a precise low-budget measuring microscope.

The easy usage and tiny light weight design make the MiniScope as 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 MiniScope?

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).

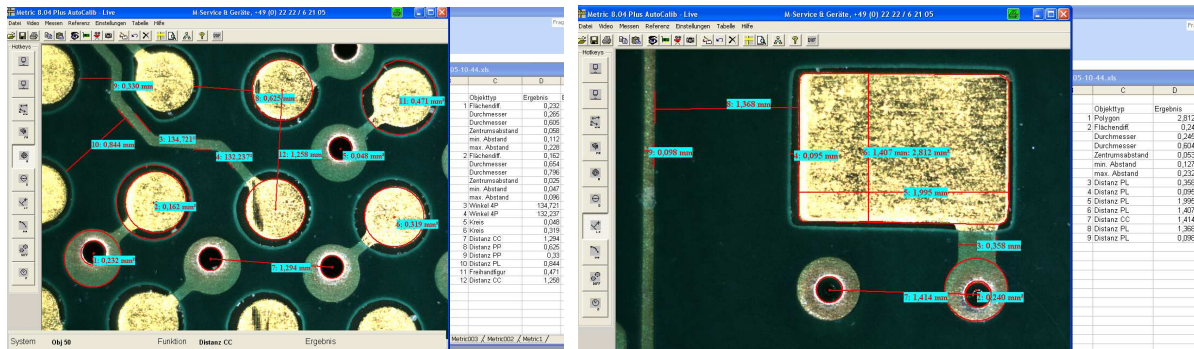
Not only for industrial use: The low budget MiniScope is ideal for Hobby, work at home, school, study, seminars etc. Just imagine to read the tiny letters in CD-songbooks or manuals in big letters on your monitor, see details of stamps, coins, insects, fabric, jewels, electronics - there is no end to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

The METOCHECK MiniScope let 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 MiniScope 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.

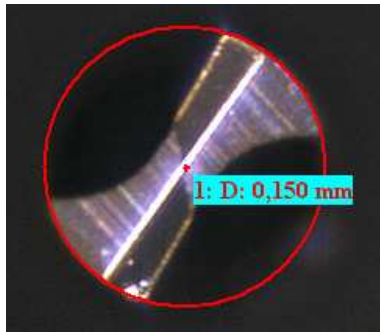
With the METOCHECK MiniScope, you don't just see, you also record. Save still images or movies with labels and markers that you place right on the live picture. You can even draw on the picture to point out the important features. Then print or e-mail that picture or add it to a report. The optional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

This handheld video microscope offers 40x / 140 x magnification, a built in 4-LED-illumination and comes either with an imaging software or a metrology software to measure distances, angles, diameters, radius, surface etc.

Here are some examples of what can be measured and inspected



Regular measuring of diameters, distances, angles, surfaces on printed circuit boards



Inspection of drills



2-circle difference: 7 mouse clicks – 6 measured data

Printed circuit boards and electronics:



Watch 40x



Watch 140x



Printing



Document



Spider eyes



Beetle



Coin



Fingerprint

