

ENGINEERED FOR PRECISION

Moore & Wright's
Inspection Range



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Inspection





Video Microscope

At a Glance

Real time observation on inbuilt monitor, with photo capture and video recording

- Magnification 12 x -84x

Features

- Real time observation on inbuilt monitor, with photo capture and video recording
- Overlay lines and shapes to measure distances, areas and angles, add text to images
- Magnification 12 x -84x
- Objective 0.75 x -4.5x continuous zoom, objective zoom ratio 6:4:1
- White balance and automatic exposure, gain, contrast and saturation control
- Sensor ½” CMOS
- Monitor 11.6” or HDMI output to alternate display
- 1920x1080p display with 60FPS frame rate
- Outputs HDMI, USB, Ethernet port
- LED light source with brightness control
- Power 100V to 240V, 50/60Hz converted to 12V supply
- An optional attachment enables panning at 45° viewing angle and 360° rotation

Moore & Wright’s Digital Video Microscope is a powerful inspection tool, enhanced with measurement capabilities and image capture. The 12-84X magnification range and 2 megapixel camera allow detailed viewing on areas as small as 2mm.



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Video Microscope



Take on-screen measurements from feature tools; create lines, arcs and more in user-defined positions or use automatic edge finding to snap features to part edges. Save and store files locally or export via network port or USB, or connect to an additional screen via HDMI.

Specification							
Code No.	Description	Magnification	Objective Lens	Zoom Ratio	Sensor	Monitor	Resolution
MWT-7100	Video microscope	12x - 84x	0.7x-0.45x continuous zoom	6.4:1	½” CMOS	11.6”	1920x1080P
MWT-7100-01	3D attachment						



Videoscope

At a Glance

- High resolution 1280 x 720 pixels
- 1 metre long, 6mm diameter probe with high brightness 50,000 Lux LED

- Features
- Large 4.5 inch display
 - High resolution 1280 x 720p
 - 1 Megapixel camera
 - Lightweight for ease of use (0.7Kg including probe)
 - 1 metre long, 6mm diameter probe with high brightness 50,000 Lux LED
 - Joystick to guide the probe with 360° movement
 - 100° Wide field of view, large depth of field (8mm to 150mm)
 - USB type C and HDMI screen output
 - Probe waterproof to IP68
 - Images saved as Jpeg 1280 x 720p
 - Video saved as MP4 1280 x 720p
 - 32 Gb storage capacity and SD card compatible
 - Internal rechargeable battery, with charger
 - Supplied in a rigid protective carry case

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Videoscope

INSPECTION



The **MWT-7500** handheld videoscope is equipped with a 6mm x 1m probe with 360° articulated tip, perfect for inspection in tight spaces. The 1-megapixel camera has a 100° viewing angle and 8mm to 150mm depth of field, for impressive coverage from a compact device. The probe tip's built-in high intensity LED and IP68 Waterproof rating make it suitable for even the most challenging applications. Lightweight, ergonomic design for one-handed operation of the buttons and joystick. Large 4.5" colour display with 1280 x 720p resolution to give a clear image. Images and videos can be stored as high-resolution jpeg and mp4 files. Rechargeable internal battery and supplied in a rigid protective case.

Specification								
Code No.	Display	Total Weight (kg)	Probe Dia (mm)	Probe Length (m)	LED Brightness (Lux)	Joystick (°)	Field of View (°)	Depth of field (mm)
MWT-7500	1280 x 720p	0.7	6	1	50,000	360 movement	100	8 - 150





Stereo Microscope

At a Glance



Measuring Ranges: HV:50-1599;
HRC:20-68; HB:76-650; HRB:41-
105; HLD:170-960

Features

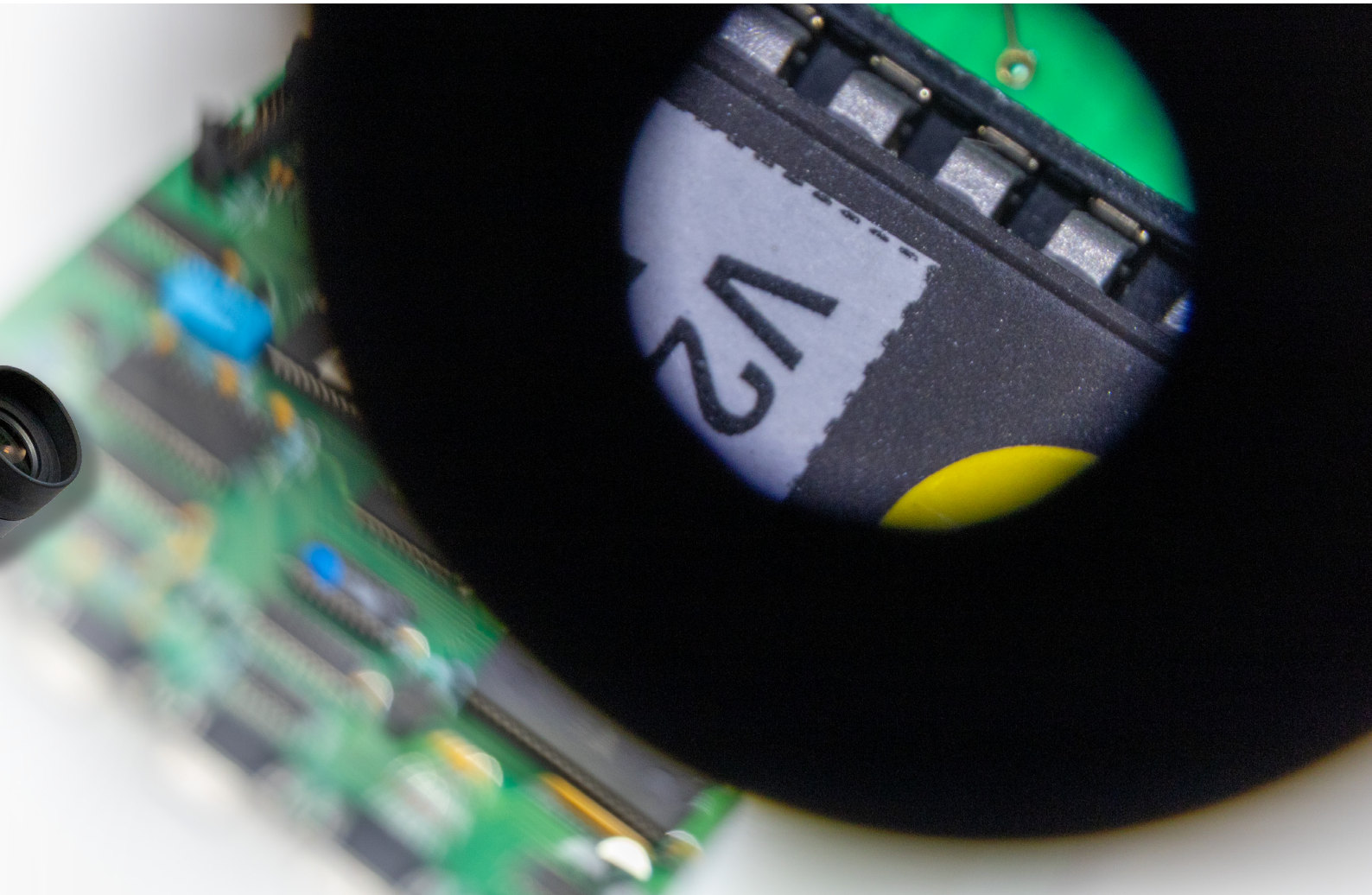
- Stereo Microscope with fully rotatable binocular head with 45° incline
- Adjustable magnification 6.7 to 45X
- Upper LED illumination with adjustable angle
- LED base plate to illuminate from below
- Adjustable brightness controls
- Translucent stage plate
- Reversible black or white stage plate

The **MWT-7200 Stereo Microscope** is an essential tool for any inspection room, equipped with high quality optics and adjustable magnification from 6.7 to 45X. The microscope's 45° binocular head is mounted on a secure stand with smooth handwheels to adjust tension and focus height, with click stop and magnification lock for easier control. Illuminate the part from above and below with dual LED lighting, use the transparent stage plate and LED base to shine light through a sample, or use the reversible plate in black or white for increased contrast. Powered by mains adapter (100-240Vac) or AAA batteries for flexibility.



Stereo Microscope

INSPECTION



Specification

Eyeiece	PLN10X22mm, with adjustable dioptre
Optical Head	Binocular and fully rotatable head with 45° incline
Magnification	0.67 - 4.5X
Working Distance (mm)	110
Interpupillary Distance (mm)	52 - 76
Upper and Lower Light Sources	Brightness independently adjustable
Light Source	LED with colour temperature 5700K-6500K, brightness 20-22LM
Pillar Height (mm)	260
Stage Plate Diameter (mm)	100mm
External Wide Voltage	AC adaptor, input 100V-240Vac, with option to use rechargeable batteries.
Operating Environment	0°C to 40°C, maximum RH 85%

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Brix Refractometer

At a Glance

- 0-20 °Bx scale
- Automatic temperature compensation

Features

- 0-20 °Bx scale
- Calibration (zero point) adjustment screw
- Automatic temperature compensation
- Adjustable focus
- Supplied with a pipette and cleaning cloth
- Includes a screwdriver to adjust the calibration screw
- Packed in a protective hard plastic case

Moore and Wright's **MWT-7800 Refractometer** is designed to measure the concentration of coolant and cutting fluids to maintain peak machine performance. This handheld device uses the refractive index of a fluid to deflect light onto a scale at the eyepiece, giving instant concentration readings from 0-20 °Bx. This simple process gives fast, reliable readings for easy maintenance of correct dilution levels, ensuring ideal lubrication and corrosion protection for machine tools.



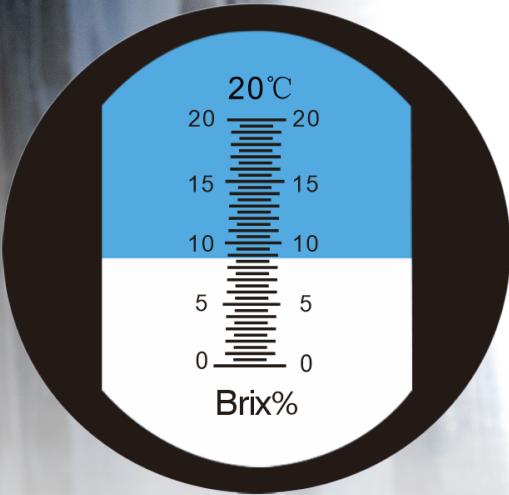
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Brix Refractometer





Brix Refractometer		
Code No.	Range (°Bx)	Resolution (°Bx)
MWT-7800	0-20	0.1



Find Out More

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