Easy_Measure
Handheld Video Measuring Instrument

The Ultimate Solution for Digital Visual Inspection
Easy_Measure
Handheld Video Measuring Instrument

“Accurate measurements and digital HD sharp images in the palm of your hand.”

Handheld and Compact

Easy_Measure allows live view measurements of your items in a simple and easy way. Just place the equipment over your sample and, using the software provided, you can perform measurements like distances, points, lines, circles, angles, item count.

Sharp and Accurate

Due to its high precision special telecentric optic system and integrated digital color camera, it allows to get high resolution and high quality calibrated large digital images, without the distortions of traditional microscopes. Moreover, a special high intensity white led light source, divided in 4 independent 90° sectors, achieves a diffused and unidirectional low angle light, that enhances surface features, reduces reflections and ensures constant and excellent color response, a long life and a high reliability.

Industrial and Productive

Special optical solutions and light sources are available for specific needs. Due to good price / performances ratio, to the excellent image quality and to the ergonomicity, Easy_Measure is a perfect device for visual inspection and traceability of mechanical parts, plastic, glass, textures, prints, wood, hide, etc.

ONE INSTRUMENT, Many Operating Modalities

1. Handheld use
2. Upside down use
3. Fixed stand use [optional]
Features
Easy_Measure - Handheld Video Measuring Instrument

- Light management flat keyboard (On/Off - intensity - 4 sectors selection)
- Single power + USB connection cable
- Industrial high resolution color digital camera
- Rubber rings for safe hand-grip
- Telecentric optics for accurate measures, Superb and sharp images
- Industrial grade materials / components
- Independent 4 sectors diffused white LED light
- Diffusive ring for perfect surface illumination without reflections
- Extreme definition digital live view and accurate colors
- Acquire and store extreme definition digital images
- Extended range of measurements
- Compare master (any image saved in your PC) item with the live view image
- Save images with overlay measurements
- Export the measurement data report
Options
Easy_Measure - Handheld Video Measuring Instrument

Stand with backlight
Two arms white LED light
X, Y Positioning moving stage
Fixing Tools
Carrying Case
QHD monitor (2.560x1.440px)

Accessories
Calibration target
Software
Applications

Easy Measure - Handheld Video Measuring Instrument

- Production and laboratory quality check
- Repetitive incoming inspections
- Production processing inspections
- Hard to reach points check
- Dimensional gauging on live view & images
- Wide range of accurate measurements
- Automatic images storing
- Visual comparison with master picture

Dimensional check on an eyewear item
Dimensional check on a surface
Dimensional check on a knot in wood surface
Dimensional check on an electrical item
Dimensional check on a printed surface
Dimensional check on a plastic item
Dimensional check on a printed glass surface
Live view comparison with master picture
## Specifications

### Easy_Measure - Handheld Video Measuring Instrument

<table>
<thead>
<tr>
<th><strong>Camera</strong></th>
<th>3 Mega Pixel Color USB 2.0 - direct connection to the PC/Tablet</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Light receiving lens</strong></td>
<td>Telecentric lens</td>
</tr>
<tr>
<td><strong>Field of View (FoV) (mm)</strong></td>
<td>6.5x4.9 25.5x19.2</td>
</tr>
<tr>
<td><strong>FoV Diagonal (mm)</strong></td>
<td>8.1 31.9</td>
</tr>
<tr>
<td><strong>FoV Area (mm²)</strong></td>
<td>32 490</td>
</tr>
<tr>
<td><strong>Magnification</strong>*</td>
<td>100X 25X</td>
</tr>
<tr>
<td><strong>Resolution (μm)</strong></td>
<td>3.25 12.5</td>
</tr>
<tr>
<td><strong>Illumination system</strong></td>
<td>Diffused white led light, divided in 4 sectors (90° each) with independent selection</td>
</tr>
<tr>
<td></td>
<td>Back light [optional with stand]</td>
</tr>
<tr>
<td></td>
<td>Led spot light [optional with arms lights]</td>
</tr>
<tr>
<td><strong>Dimensions (mm)</strong></td>
<td>70x250 70x250</td>
</tr>
<tr>
<td><strong>Weight (kg)</strong></td>
<td>1.5 1.5</td>
</tr>
<tr>
<td><strong>Operation ambient °C</strong></td>
<td>+10 to +40°C</td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>110-220 Vac</td>
</tr>
<tr>
<td><strong>PC Device</strong></td>
<td>Not provided [on request]</td>
</tr>
</tbody>
</table>

### Measurement points
- Manual - Point and Click

### Measure buttons
- Show Scale Line, Calibrate, Calibrate Table, Decimal, Measurement List, Layer, Delete All, UnLock/Lock, Select, Line, Parallel, Perpendicular, Rectangle, 2-points Circle, 3-points Circle, Diameter Circle, Concentric Circle, Polyline, Polygon, Arc, Angle, Point, Annotate, Delete, Cross-Ruler

### Color Control
- Gamma, Contrast, Saturation, Color Enchancement, Monochrome, White Balance, Area WB, Black Balance, FlatFielding, Red, Green, Blue

### Image Control
- Exposure Control, Color Control, Fluorescence, Levels, Capture Mode, Parameters

### Image Processing
- Brightness, Gamma, Contrast, Saturation, Sharpen, Levels, Extend DoF, Stitching, HDR image

### Available Image Types
- JPEG, BMP, TIFF, RAW

### Data Report
- *.xls, *.txt

### Print Report
- Windows installed Printer (optional *.pdf), *.xps

### Language interface
- English, Italian

### System Requirements
- OS: Windows 10 (32 & 64 bit) - CPU: Intel Processor (Core 2 Duo or higher)
- Memory: 2 GB or More recommended - USB ports: USB2.0 Hi-Speed port

* Using a typical 27” QHD monitor (2560x1440 px)

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