



**Digital Precision**

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**OneTouch-HM**

High Magnification Digital Scope



XY & Height  
Measurement

High magnification  
Zoom Optics

Touch button  
operation

- *Detent zoom optics*
- *High resolution digital camera*
- *High precision FOV dimensional measurement*
- *Manual Z height measurement and automatic Z height measurement with auto-focus*
- *One touch to perform programmed measurement or manual measurement*
- *Save and annotate image*
- *All-in-one, compact size*

**Made in U.S.A.**

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# Onetouch-HM

OneTouch-HM is a digital microscope with height measurement capability. It can be used for visual inspection, precision FOV XY and Z height measurement, as well as image documentation. The motorized Z-axis with fine encoder can be used to measure the height manually or by using auto-focus.

The system is easy to use. The XY measurement can be done by moving mouse manually or programming with sub-pixel edge detection. The measuring program can be created for repeat measurement. Operator can simply push a button to start the programming measurement. The result measurement data can be sent to Excel, data files or SPC software. The software also provides rich imaging functions.

## Standard Configuration

- 3M color digital camera
- 7.5X - 45X Detent zoom optics with 300x - 1800X total magnification
- Motorized Z-axis with 75mm travel
- Two speed, Z-axis speed control and fine Z adjustment
- 0.000127mm Z-axis encoder resolution
- 76 x 56 mm travel manual stage
- LED co-axial lighting and back light
- 20 inch WLCD screen
- Configurable push buttons.
- DMP3000 metrology & imaging software
- Dual-core computer with Windows 7
- Dimension (in): 19 (W) x 25 (H) x 18 (D)

## Options

- Integrated or separate monitor
- 12X detent or motorized zoom
- Choices of 5X, 10X and 20X objectives
- 50 mm x 50 mm manual stage with encoder

## Standard Measurement

- Distance
- Circle
- Linewidth
- Thickness
- Length
- Angle
- Area
- Height
- Co-plane
- Statistics
- Counting
- Slot
- Ellipse
- Position
- Circularity
- Concentricity
- Straightness
- Angularity
- Parallelism
- Perpendicularity
- Statistics



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