

PERFORMANCE FEATURES:

- **Precision Laser Stand-Off Height “D”**

MHT-800E Measuring Station is designed to measure the stand-off height from the bottom of the component body to the bottom of the formed footpad lead.

- **Lead Egress Point “H”**

MHT-800E is designed to measure the dimension from the bottom of the lead exiting the body to the bottom of the component body.

MHT-800E uses a 655nm wavelength laser precision ranging technology with an external large touch screen display and control.

- **Real-Time Measuring, Display & Data Storage**

The easy-to-use **MHT-800E** offers a built-in, high-precision laser displacement sensor, real-time measuring and display Stand-off Height and measurement data record storage.

The system is manufactured of sheet metal with anti-static paint and ground device for ESD safety.

The measuring table is made of a 10mm / 0.394” precision stainless steel reference plate and a standard 4mm / 0.157” calibration block to verify the accuracy of the measurement results.

MHT-800E uses 655nm wave length laser precision ranging technology,



MHT-800E



- Two different measurements:
1. Lead Egress Point “H”
 2. Stand-off Height “D”

MHT-800E

FEATURES

The **MHT-800E** is a highly precise measuring tool for use with Manix adjustable flat pack tooling.

The **MHT-800E** is designed to measure the body-to-board stand-off height of formed flat pack components.

The **MHT-800E** system is also designed to measure the lead egress point (distance from the bottom of the lead exiting the body to the bottom of the body).

Component bodies have built-in tolerances. Using the precision **MHT-800E**, stand-off heights will be accurate each and every time.

Each component is individually measured, ensuring accurate forming. Adding the lead egress measurement to the stand-off height measurement and your component will be formed with a perfect stand-off.



MHT-800E

METHOD OF OPERATION:

1. Press "ON" to turn on the power and wait for the touch screen to be ready.
2. Place the calibration block in the center of the measurement area and press "ZERO" to set the measurement height to zero. Check the standard 4.00mm $\pm$ 0.05mm / 0.157" $\pm$ 0.002" height with concave side down. (Note: When powering off and restarting, it is necessary to ZERO out the calibration.)
3. Place the component in the measurement area. Display the data of the component's Stand-Off height in real-time and press "SAVE" to record the measurement data.
4. Press "VIEW" to display a measurement list. View the data records of the last 10 stand-off height measuring data.
5. The "mm/inch" button is used to change the system's measurement results will be in millimeters or in inches.
6. The "SETTING" button is used to set the system's parameters such as password and IP address on the touchscreen.

SPECIFICATIONS:

Measurement Range: 0-10mm / 0.000"-0.394"

Measurement Accuracy: $\pm$ 0.05mm / $\pm$ 0.002"

Component Size: 5mm x 5mm / 0.2" x 0.2"

MHT-800E Dimensions: 300mmL x 300mmW x 350mm H / 12"L x 12"W x 13.8"H

Weight: 3.5kg / 8 lbs.

Laser Type: Class II laser (Do not stare directly at the laser for a long time)

Power: 100V-230V ; 50/60Hz 20W

Operation environment: -10°C ~ +45°C / 14°F~113°F (35RH~85RH Non-condensing environment)



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