

# CENTERED ON QUALITY

LMI has a complete line of hole location measurement tools to quickly and accurately measure the true position of a hole.

These gauges provide instant feed back on the location of a hole centerline in two axis. LMI offers two main portable product lines that can connect directly to a data collector, as well as a fixed-position pneumatic actuated TruPosition probe for automated systems. Check out our website for further details and a complete list of models and accessories.

[www.lmicorporation.com](http://www.lmicorporation.com)

## TRUPOSITION Gauges



**LMI Analog TruPosition Gauges**

**LMI Digital TruPosition Gauges**

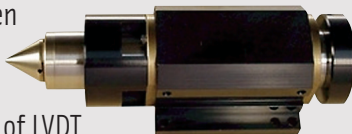
### LMI Analog TruPosition Gauges

The LMI TruPosition **Analog Signal Output** probes feature a short overall length making them especially suited to tight checking points. This small, truly portable device is optimized for variable data collection with a direct cable interface that does not require additional interface boxes.

| Model | Travel Each Axis | Shaft Diameter | Shaft Length              | Accuracy           | Max. Hole Diameter | Data Output Port |
|-------|------------------|----------------|---------------------------|--------------------|--------------------|------------------|
| TP107 | 0.236"<br>6.00mm | 1.25"          | 3.2" or 5.2"<br>available | +/- .001"<br>.02mm | .930"<br>23.62mm   | X                |
| TP108 | 0.125"<br>3.17mm | 1.00"          | 3.2" or 5.2"<br>available | +/- .001"<br>.02mm | .930"<br>23.62mm   | X                |

### LMI Pneumatic TruPosition Gauge

The TruPosition Air Pneumatic probe is used for automated fixture applications. Multiple checks are taken in a fraction of the time required for manual checks. Compatible with the LMI 5200 probes or almost any brand of LVDT.



### LMI Digital TruPosition Gauges

The LMI TruPosition **Digital Signal Output** probes offer an accurate and repeatable way to collect variable information on the **A** axis and **B** axis from the nominal location. Each unit features two LCD panels to view readings.

| Model | Travel Each Axis | Shaft Diameter | Shaft Length              | Accuracy            | Max. Hole Diameter | Data Output Port |
|-------|------------------|----------------|---------------------------|---------------------|--------------------|------------------|
| TP101 | 0.125"<br>3.17mm | 1.00"          | 3.2" or 5.2"<br>available | +/- .0005"<br>.01mm | .930"<br>23.62mm   |                  |
| TP102 | 0.125"<br>3.17mm | 1.00"          | 3.2" or 5.2"<br>available | +/- .0005"<br>.01mm | .930"<br>23.62mm   | X                |
| TP103 | 0.236"<br>6.00mm | 1.25"          | 3.2" or 5.2"<br>available | +/- .0005"<br>.01mm | .930"<br>23.62mm   | X                |
| TP104 | 0.236"<br>6.00mm | 1.25"          | 3.2" or 5.2"<br>available | +/- .0005"<br>.01mm | .930"<br>23.62mm   |                  |

**LMI**<sup>®</sup>  
Linear Measurement Instruments, Corp.

### LMI TP111 and TP112 Series 3rd Axis Probe Inspection

After checking the **A** and **B** axis of a hole with a **TruPosition Probe**, use a 3rd Axis Probe to take a **Z** axis reading. An **LMI 200 Surface Probe** or preset indicator is required to take the measurement. Includes three quick interchangeable rods for various hole sizes.



### LMI TruPosition Probe Blocks and Tooling Aids



A variety of Probe Blocks and Tooling Aids are available for use with **TruPosition Probes**. The light-weight and cost-effective Probe Blocks are used at precise check point locations on a fixture. Choose from flange or base mount options. The Tooling Aids are used to accurately set the Probe Blocks at desired locations on the checking fixture.

### LMI TruPosition Interface options

LMI has a variety of data collection and readout options available. Choose a **TruPosition Probe** with an output port and start collecting your data with an **LMI 595** or **LMI 440**.

