

BEST ON THE BLOCK

Whether you call it Gap & Flush, Size & Form, Gap & Fair, Gap & Step or Gap & Mismatch, the LMI 241 Gauge will cut your inspection time in half while maintaining superior accuracy and repeatability. The LMI 241 gauge incorporates the same durable construction and solid state electronics that LMI is known for. An all aluminum housing protects the precision bearings and electronics while the contact portions of the gauge are made from hardened tool steel. All the components were designed to withstand the toughest manufacturing environments while still maintaining MAXIMUM accuracy. The patented locating and friction locking mechanism ensures Gauge R & R's of less than 5%. The gauge interfaces directly to most data collectors where the readings can be displayed and stored.

241 SERIES Fixture Flush & Gap Gauge



LMI 776 Mounting Block

LMI 241 Flush & Gap Gauge

LMI 241-B Flush & Gap Gauge
with Blade Tip

The patented fixture attachment method uses a rail mounted block (LMI 776) that locates the gauge in the same spot for every part. The LMI 241 uses a friction pad to hold the gauge securely in place while the check is being made. This feature eliminates the human error that is normally associated with a hand held measurement device. The small, low profile LMI 776 block easily mounts to the check fixture and eliminates the need for expensive swing templates in order to get parts in and out.

Custom tips, non-marring contact tips, custom spring forces and other modification are available.



Features:

- ▶ Decrease inspection time: Simultaneously measure gap and flush
- ▶ Durable construction
- ▶ Repeatable using the LMI 776 Mounting Block on checking fixtures with Gauge RGR less than 5%
- ▶ Easy to use
- ▶ Reduce fixture cost by eliminating swing templates
- ▶ Point tip and blade tip available
- ▶ Easily connected to industry standard data collectors
- ▶ Industry standard for simultaneously measuring flush and gap on checking fixtures for sheet metal, glass and plastic
- ▶ 1 year warranty
- ▶ An LMI 6025 6pin to 6pin coil cable is included with each LMI 241

Specifications:

- ▶ Accuracy: 30µm
- ▶ Measurement travel 10.0mm flush and gap
- ▶ Spring force 85 g (3.0 oz) @ nominal position

LMI®

Linear Measurement Instruments, Corp.

Accessories



LMI® 720-D Master Block

A master block is required for the LMI 241 in order to set the "zero" or nominal reference position for both the flush and the gap positions. The LMI 720-D has a 3.0 and 6.0mm gap in order to zero or verify gauge accuracy as well as a 0.0 and 2.0 mm flush reference.



LMI® 776 Mounting Block

The patented LMI 776 Mounting Block is designed for optimum and precise check point location when positioning the LMI 241 Gauge. The LMI 241 mounts in the LMI 776 locating hole and is self-locking for accuracy and repeatability. The LMI 776 comes with mounting screws and roll pins.



LMI® 049 Tooling Aid

The LMI 049 Tooling Aid assist in locating the LMI 776 Mounting Block on the fixture and certifying the position.

