TARGA III

Capacitive Sensing
High reliability and high resolution

Target Selection
Select gage pin sizes of 1/8”, 2mm, 1.75mm

Metric and Inch Units
User selectable

ISO 9000 Compliant
Calibration is NIST traceable

Manufactured by Lion Precision
For over thirty years we have been a world leader in the
design of high-resolution, high-speed capacitive gauging.
Our customer service is second to none.

Specifications

- BNC Output Voltage: 0-10VDC - TIR, DRO Modes
  - ±5VDC
- BNC Output Voltage Scaling:
  - Metric Units: 25µm/V
  - Inch Units: 0.001”/V
- BNC Output Resolution: 625nm, 0.000025”
- Display Resolution: 0.5µm, 0.00002”
- Measurement Range: 250µm, 0.010” (1/8” pin)
- Near Gap: 125µm, 0.005” (1/8” pin)
- System Power In: ±15VDC @ 0.25A
- External Power Supply: Included
- Input: 100-240VAC, 50/60Hz

Dynamic Run-out
Dynamic Run-out, now industry standard terminology, was
first coined by Lion Precision when the original TARGA
Dynamic Run-out System was introduced.

It was the first and only system that could measure spindle
run-out at operating speeds. The only run-out measurement
that really counts.

RPM measurements and printed reports require connection
to a computer running proprietary software not included.

No Export License
ECCN Classification: EAR99

Need assistance? Please contact Lion Precision at 651.484.6544 or info@lionprecision.com
**Capacitive vs. Eddy-Current Sensors**

Some run-out sensors use eddy-current technology. Eddy-current technology does not work well with rotating, ferromagnetic targets. The Targa III uses capacitive sensors which are not affected by a rotating target.

This chart shows run-out measurements of the same spindle using eddy current and capacitive sensors.

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**MFG3-0521 TARGA III System Includes:**

- TARGA III Electronics
- C8-2.0-2.0 Capacitive Probe
- EPS External Power Supply
- Calibration Certificate (Traceable to NIST)
- Power Cord
- User Manual

**Accessories and Spare Parts**

- 2201-0010 Precision 0.125” Gage Pin (2-4 recommended)
- P015-3375 Fiber Optic Tachometer

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**Ordering Information**

Please contact Lion Precision for ordering information. We can be reached via email at info@lionprecision.com, or via telephone at (651)-484-6544.