TARGA III

Capacitive Sensing
High reliability and high resolution

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

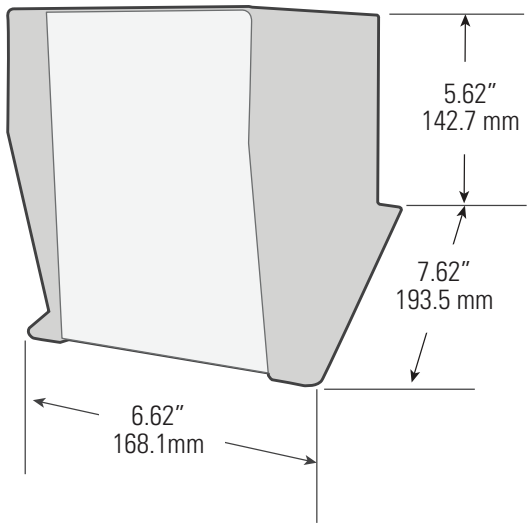
Metric and Inch Units
User selectable

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

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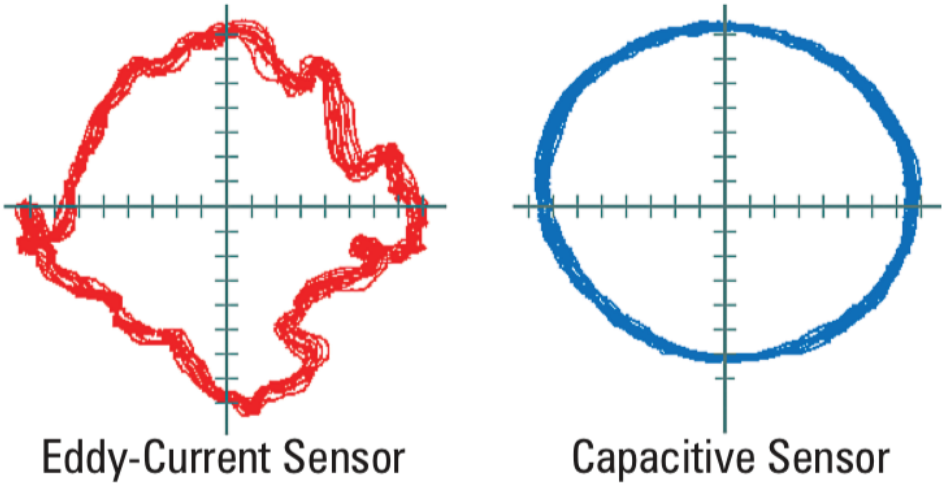
Capacitive Sensors

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.



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

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.

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