

TARGA III



Capacitive Sensing

High reliability and resolution accuracy

Target Selection

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

Metric and Inch Units

Display which measurement units you want

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 gaging. Our customer service is second to none

Specifications

BNC Output Voltage: 0-10VDC -TIR, DRO Modes
± 5VDC - Other modes

BNC Output Voltage Scaling: Metric Units: 25µm/V
Inch Units: 0.001"/V

BNC Output Resolution: 625nm, 0.000,025"

Display Resolution: 0.5µm/, 0.000,02"

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: Input:
(Included) 100-240VAC, 50/60Hz

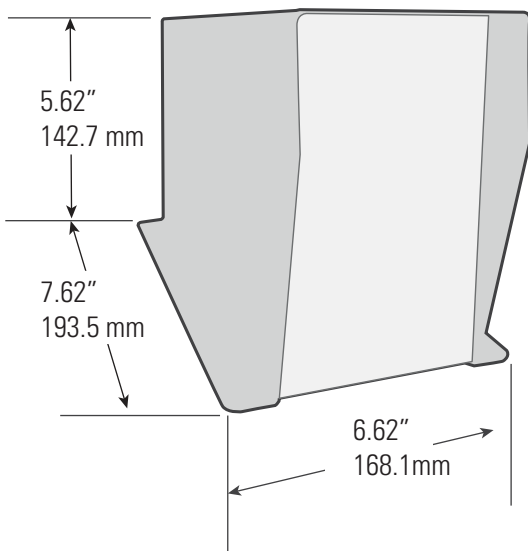
Dynamic Runout

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

It was the first and only system that could measure spindle runout at operating speeds. The only runout measurement that really counts. RPM measurements and printed reports require connection to a computer running proprietary software not included.

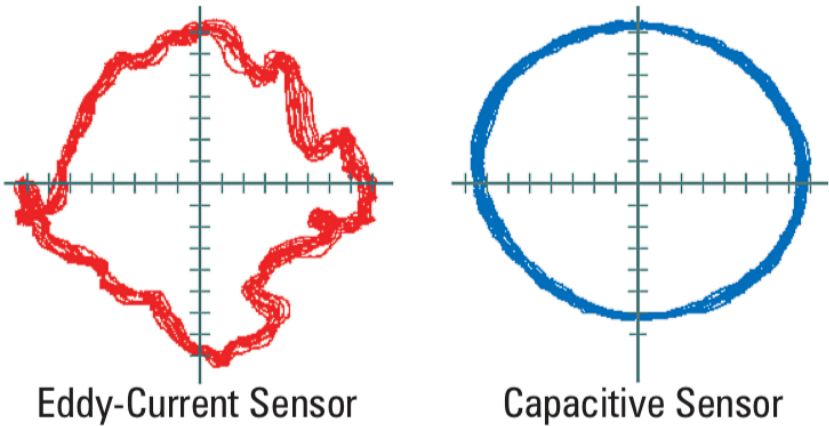
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ECCN Classification: EAR99



Capacitive vs. Eddy-Current Sensors

Some runout 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 runout measurements of the same spindle using eddy current and capacitive sensors.



TARGAIII System Includes:

System Part Number	TARGRA III Electronics	1 Ea.
MFG3-0521	C8-2.0-2.0 Capacitive Probe	1 Ea.
	EPS External Power Supply	1 Ea.
	Calibration Certificate (Traceable to NIST)	1 Ea.
	Power Cord	1 Ea.
	User Manual	1 Ea.

Accessories and Spare Parts

P014-5040	EPS External Power Supply
1600-8500	Power Cord (110V)
1600-8510	Power Cord (220V European)
1600-8520	Power Cord (240V UK)
1600-8530	Power Cord (Chinese Plug)
2201-0010	Precision 0.125" Gage Pin (2-4 recommended)
2404-0011	3/8" to 8mm Adaptor Sleeve
4900-0140	Probe Mount: PCB Drilling Spindle
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.