TARGA III Dynamic Runout System

The TARGA III stands alone as the only dedicated, capacitive-based system to monitor dynamic spindle runout.

High-Resolution Capacitive Sensing

High reliability, resolution, and accuracy

Target Selection

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

Metric and Inch Units

Display with the 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.

No Export License Required

ECCN Classification: EAR99

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.

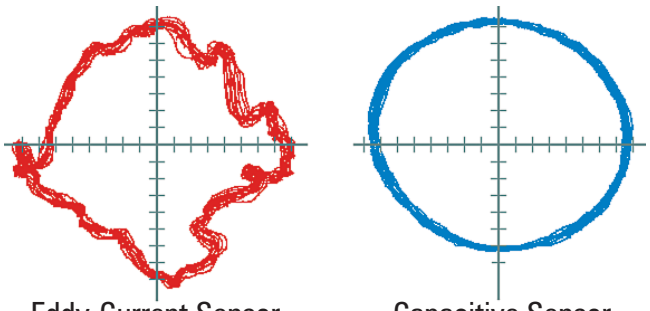
Specifications

BNC Output Voltage	0-10VDC – TIR, DRO Modes ±5VDC – Other modes
BNC Output Voltage Scaling	Meter 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 (Included)	Input: 100-240VAC, 50/60Hz

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.



Eddy-Current Sensor | Capacitive Sensor

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Document LL03-0031 04-2009