

Motion Control

Goniometers, Small Platform

Single Axis Stages

Multi-Axis Stages

Flexure Stage Accessories

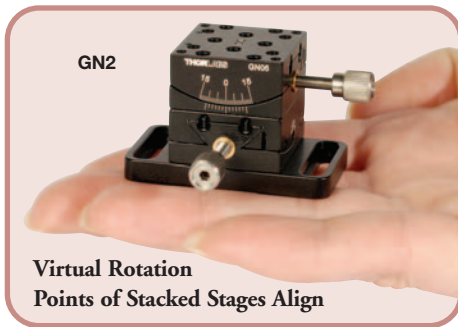
Motorized Mirror Mounts

Rotation Stages

Drive Electronics & Auto-Alignment

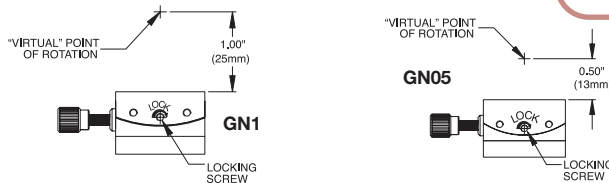
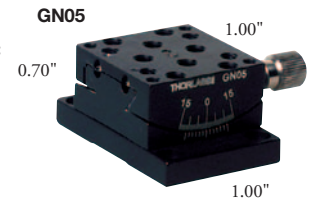
Actuators & Adjusters

Brief Tutorials



Specifications

- **Virtual Point From Top Surface:**
GN05: 0.50"
GN1: 1.00"
- **Rotation:** GN05: $\pm 15^\circ$
GN1: $\pm 10^\circ$
- **Accuracy:** 10arcmin
- **Package Size:**
1.00" x 1.00" x 0.70" (25mm x 25mm x 18mm)
(Height Includes Base Plate)



Visit www.thorlabs.com for Drawing of GN2

The GN Series of Goniometers offer unobstructed pure rotational motion about a "Virtual Point." The compact, stackable design allows the GN05 to operate in cooperation with the GN1. The two stacked units can be purchased together (Item# GN2).

ITEM#	METRIC ITEM#	\$	£	€	RMB	DESCRIPTION
GN05	GN05/M	\$ 99.00	£ 62.40	€ 92.10	¥ 945.50	Goniometer with 1/2" Virtual Point
GN1	GN1/M	\$ 103.00	£ 64.90	€ 95.80	¥ 983.70	Goniometer with 1" Virtual Point
GN2	GN2/M	\$ 194.00	£ 122.20	€ 180.40	¥ 1,852.70	Goniometer Pair

- Precision Machined Dovetail Design
- $\pm 250\mu\text{m}$ Error on Common Rotation Point
- M3-0.25 Actuator Screw

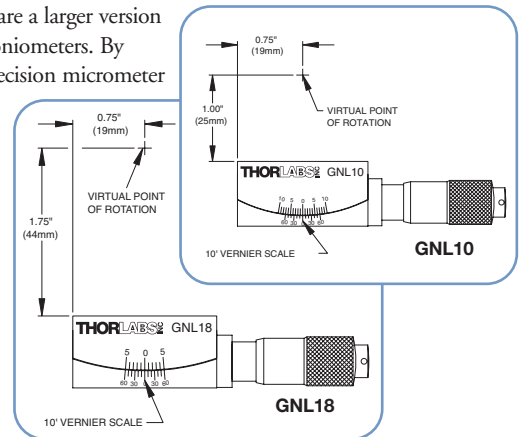
Goniometers, Large Platform

Specifications

- **Virtual Point From Top Surface:**
GNL10: 1.00"
GNL18: 1.75"
- **Rotation:** GNL10: $\pm 10^\circ$
GNL18: $\pm 5^\circ$
- **Accuracy:** 10arcmin
- **Package Size:**
1.50" x 1.50" x 0.95"
(38mm x 38mm x 24mm)
(Height Includes Base Plate)



The GNL Series of Goniometers are a larger version of our popular GN Series of Goniometers. By increasing the package size, a precision micrometer has been incorporated into the design to improve the angular placement of the top plate. Each goniometer provides a precision machined dovetail that provides smooth rotation about a "Virtual Point" located above the top surface. All goniometers are also equipped with a locking screw to ensure stability once the stage has been adjusted to its desired position.



- Precision Machined Dovetail Design
- Lockable Design
- Micrometer Actuator

Specifications

- **Virtual Point From Top Surface:**
GNL10-Z7: 1.00"
GNL18-Z7: 1.75"
- **Rotation:** GNL10-Z7: $\pm 8^\circ$
GNL18-Z7: $\pm 5^\circ$
- **Accuracy:** 10arcmin
- **Precision:**
GNL10-Z7: 0.5° per Revolution (Nominal)
GNL18-Z7: 0.3° per Revolution (Nominal)
- **Package Size:**
1.50" x 1.50" x 0.95"
(38mm x 38mm x 24mm)
(Height Includes Base Plate)

ITEM#*	METRIC ITEM#*	\$	£	€	RMB	DESCRIPTION
GNL10	GNL10/M	\$ 183.00	£ 115.30	€ 170.20	¥ 1,747.70	Large Goniometer With 1" Virtual Point
GNL18	GNL18/M	\$ 196.00	£ 123.50	€ 182.30	¥ 1,871.80	Large Goniometer With 1.75" Virtual Point
GNL20	GNL20/M	\$ 356.00	£ 224.30	€ 331.10	¥ 3,399.80	Large Dual Axis Goniometer Pair
GNL10-Z7†	GNL10/M-Z7†	\$ 579.00	£ 364.80	€ 538.50	¥ 5,529.50	Large Motorized Goniometer - 1" Virtual Point
GNL18-Z7†	GNL18/M-Z7†	\$ 590.00	£ 371.70	€ 548.70	¥ 5,634.50	Large Motorized Goniometer - 1.75" Virtual Point
GNL20-Z7†	GNL20/M-Z7†	\$ 1,150.00	£ 724.50	€ 1,069.50	¥ 10,982.50	Large Dual-Axis Motorized Goniometer Pair

*Each unit ships complete with mounting base plate †10% savings when purchased together

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THORLABS



NEW

TDC001
Motor Driver
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