



## Motion Control

# Goniometers, Small Platform

Translation Stages

Motorized Mirror Mounts

Rotation Stages

3 Axis Flexure Stages & Accessories

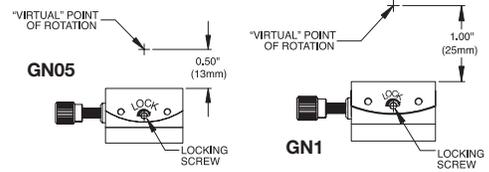
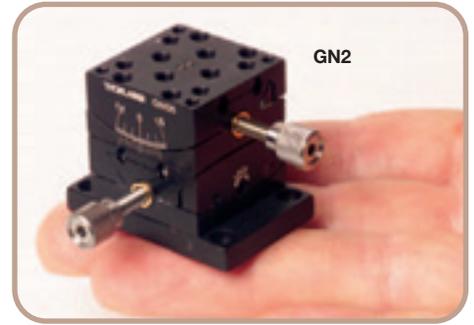
4, 5 & 6-Axis Stages

Drive Electronics & Auto-Alignment

Actuators & Adjusters

### Specifications

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



The GN-Series Goniometers offer unobstructed pure rotational motion about a "Virtual Point". The compact, stackable design allows the GN05 to operate in cooperation with the GN1 to provide two orthogonal axes of unobstructed pure rotational motion about a single "Virtual Point". The Two units are sold as a GN2.

- Precision Machined Dovetail Design
- Lockable Design
- M3-0.25 Actuator Screw

ITEM#	METRIC ITEM#	\$	£	€	¥	DESCRIPTION
GN05	GN05/M	\$ 96.00	£ 72.00	€ 100,80	¥ 16,320	Goniometer with 1/2" Virtual Point
GN1	GN1/M	\$ 99.00	£ 74.25	€ 103,95	¥ 16,830	Goniometer with 1" Virtual Point
GN2	GN2/M	\$ 187.00	£ 140.25	€ 196,35	¥ 31,790	Goniometer Pair

# 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: GNL10 - 10 arcmin.  
GNL18 - 10 arcmin.
- Package Size: GNL10 - 1.50" (38mm) x 1.50" (38mm) x 0.95" (19mm)  
(Height Includes Base Plate)  
GNL18 - 1.50" (38mm) x 1.50" (38mm) x 0.95" (19mm)  
(Height Includes Base Plate)



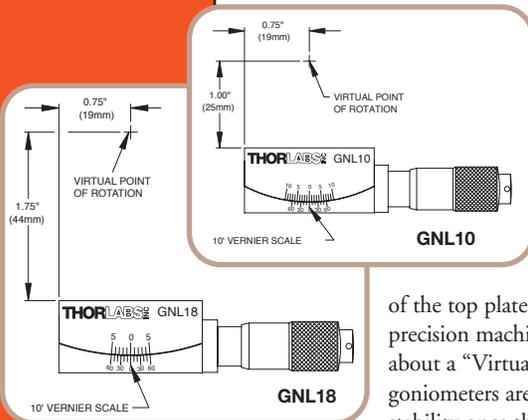
### Specifications

- Virtual Point from Top Surface: GNL10-Z6 - 1.00"  
GNL18-Z6 - 1.75"
- Rotation: GNL10-Z6 -  $\pm 8^\circ$   
GNL18-Z6 -  $\pm 5^\circ$
- Accuracy: GNL10-Z6 - 10 arcmin.  
GNL18-Z6 - 10 arcmin.
- Precision: GNL10-Z6 - 0.5° per revolution (nominal)  
GNL18-Z6 - 0.3° per revolution (nominal)
- Package Size: GNL10-Z6 - 1.50" (38mm) x 1.50" (38mm) x 0.95" (19mm)  
(Height Includes Base Plate)  
GNL18-Z6 - 1.50" (38mm) x 1.50" (38mm) x 0.95" (19mm)  
(Height Includes Base Plate)

- Precision Machined Dovetail Design
- Lockable Design
- Micrometer Actuator Screw

The GNL-Series Goniometers are a larger version of our popular GN-Series 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 GNL-Series 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.



ITEM#*	METRIC ITEM#*	\$	£	€	¥	DESCRIPTION
GNL10	GNL10/M	\$ 176.00	£ 132.00	€ 184,80	¥ 29,920	Goniometer with 1" Virtual Point
GNL18	GNL18/M	\$ 188.00	£ 141.00	€ 197,40	¥ 31,960	Goniometer with 1.75" Virtual Point
GNL20	GNL20/M	\$ 342.00	£ 256.50	€ 359,10	¥ 58,140	Large Goniometer Pair
GNL10-Z6	GNL10/M-Z6	\$ 435.00	£ 326.25	€ 456,75	¥ 73,950	Large Motorized Goniometer - 1.00 Virtual Point
GNL18-Z6	GNL18/M-Z6	\$ 445.00	£ 333.75	€ 467,25	¥ 75,650	Large Motorized Goniometer - 1.75 Virtual Point
GNL20-Z6	GNL20/M-Z6	\$ 860.00	£ 645.00	€ 903,00	¥ 146,200	Large Motorized Goniometer Pair