

GO Elevation Stage

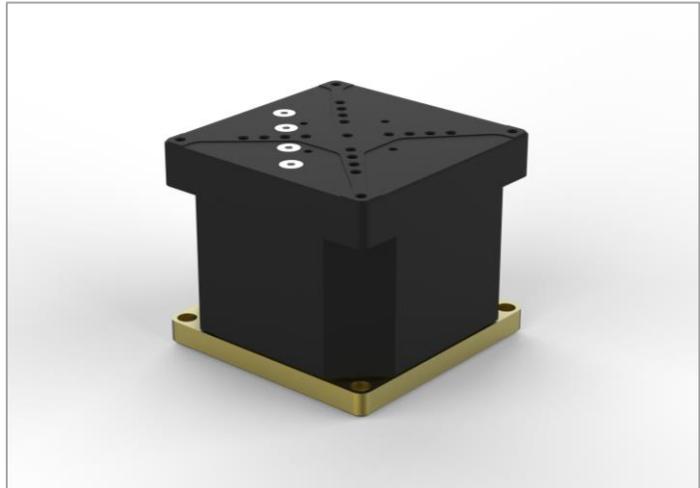
Powerful & Precise

Vertical Motion

Nanometer Resolution Vertical Motion

The PRECIBEO GO Elevation Stage lift up to 1 kg vertically, with smooth continuous motion and are self-locking at rest.

The PRECIBEO GO Elevation Stage is easily controlled through the GO Controller and the GO Motion Windows App. C++ DLLs are available for easy programmatic integration.



Technical Specification

MODEL	ELEVATION 5N	ELEVATION 10N
POSITIONING		
TRAVEL (Z)	+10 mm	
POSITION SENSOR	Optical Encoder	
SENSOR RESOLUTION	2 nm	
MIN INCREMENTAL MOTION	2 nm	
BIDIRECTIONAL REPEATABILITY	+/- 100 nm (typ. @ +/- 5mm travel)	
STRAIGHTNESS & FLATNESS	+/- 2 µm (typ.)	
PITCH	+/- 150 µrad (typ.)	
YAW	+/- 150 µrad (typ.)	
MOTION		
MAX OPERATING FORCE (PUSH / PULL)	5 N (min.)	10 N (min.)
HOLDING FORCE (WHEN POWER IS OFF)	6 N (min.)	11 N (min.)
MAX SPEED (AT NO LOAD)	8 mm/s	8 mm/s
MAX SPEED (AT MAX OPERATING FORCE)	5 mm/s (min.)	1 mm/s (min.)
DRIVE TYPE		
MOTOR TYPE	Piezo Drive	
MECHANICAL		
MAX LOAD	0,5 kg	1 kg
GUIDE TYPE	Crossed Roller Bearings	
SIZE	45x45x38 mm	
WEIGHT (W/O CABLE & CONNECTOR)	160 g (+-10%)	
MISCELLANEOUS		
CABLE	2 m cable (+-5%) with ix	
MATERIAL	Aluminum	

Order Information

Please contact us by phone (+46 18 700 13 40) or email (sales@precibeo.com) for any enquiries.

PRODUCT	DESCRIPTION
GO-ELE-5N	One GO Elevation Stage with Cable and Connector including: <ul style="list-style-type: none"> 4 M2 screws for mounting the stage to a substrate.
GO-ELE-10N	One GO Elevation Stage with Cable and Connector including: <ul style="list-style-type: none"> 4 M2 screws for mounting the stage to a substrate.

Disclaimer: Specifications of the product do not constitute a warranty of the properties. They are intended for information purposes only and are subject to change.