

GO



Run up to  
3 axes with  
point2point  
nm motion  
control

## PRECIBEO GO Controller

# Plug & Play Motion Controller

### Nanometer Motion Control for Microscopy

The PRECIBEO GO Controller enables point-to-point nanometer motion control with trapezoidal velocity profiles and PID regulation.

Each PRECIBEO GO Controller controls up to 3 stages simultaneously, or even 6 stages if daisy-chained, and easily connects with your computer over USB.

Get started by connecting the GO Stages to the GO Controller, connecting the GO Controller to your computer and installing the PRECIBEO GO App's.

The PRECIBEO GO Motion App can run multiple controllers with up to three stages each. Move the stages with the buttons in the App, your keyboard or the optional joystick.

The PRECIBEO GO Command App enables plug & play command control with easy to use commands such as Speed, Go To and Read Position.

PRECIBEO GO LabVIEW Drivers and GO C++ DLL's are available for all GO System products.

### Point-to-Point Nanometer Motion Control

- 3-axis Controller
- Point-to-Point Motion
- Trapezoidal Velocity Profiles
- PID Regulator
- Connects over USB
- Easy-to-Use Command Set
- Plug & Play Softwares
- LabVIEW Drivers and C++ DLL's



## Technical Specification

MODEL	GO Controller
<b>MOTION</b>	
AXES	3 (6 with two daisy-chained GO Controllers)
MOTION CONTROL TYPE	Point-to-Point Motion
MOTION PROFILE TYPE	Trapezoidal Velocity Profiles
CONTROL LOOP TYPE	Proportional – Integral – Derivative (PID)
<b>INTERFACES</b>	
COMPUTER	USB (or RS485 over the GO I/O Port)
STAGES	ix Industrial™
COMMAND SET	PRECIBEO ASCII Rapid
USER SOFTWARE	GO Motion / GO Command / GO LabVIEW Drivers / GO C++ DLL's
<b>ELECTRICAL</b>	
SUPPLY VOLTAGE	48 VDC from external power adapter
OUTPUT VOLTAGE	0 to 48 VDC
MAX OUTPUT POWER	25 W
<b>MECHANICAL</b>	
SIZE	135x135x25 mm
WEIGHT	0,5 kg (+-10%)
<b>MISCELLANEOUS</b>	
OPERATING TEMPERATURE RANGE	0-50 °C
MATERIAL	Aluminum

## Order Information

Please contact us by phone ( [+46 18 700 13 40](tel:+46187001340) ) or email ([sales@precibeo.com](mailto:sales@precibeo.com)) for any enquiries.

PRODUCT	DESCRIPTION
<b>GO-CTRL1</b>	One GO Controller including: <ul style="list-style-type: none"><li>• One USB cable.</li><li>• One 100-240 VAC to 48 VDC power adapter with cable.</li><li>• USB Memory Stick with GO Motion and GO Command.</li></ul>
<b>GO-IOC</b>	GO I/O Cable that connects to the GO Controller's I/O port and provides the following interfaces through a D15SUB-connector in the other end: <ul style="list-style-type: none"><li>• RS485 connection as an alternative to USB.</li><li>• TrigIn and TrigOut signals for e.g. triggering an external camera.</li></ul>

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.