

GO Actuator HV

High Vacuum

Optics Positioning

Nanometer Resolution Motion for Vacuum Optics

The PRECIBEO GO Actuator HV is built for high vacuum environments down to 10^{-4} Pa. Each actuator is fitted with a vacuum side cable (PTFE coated wires in a braided metal sleeve) ended with a female D9SUB connector. Each actuator also comes with an air side female D9SUB to ix-Industrial cable.



Connect the vacuum side and air side cables to your D9SUB feedthrough, the air side ix-connector to the GO Controller, and you are ready to GO!

Technical Specification

MODEL	GO ACTUATOR CL HV
POSITIONING	
TRAVEL (X)	9 mm
POSITION SENSOR	Optical Encoder
SENSOR RESOLUTION	2 nm
MIN INCREMENTAL MOTION	2 nm
BIDIRECTIONAL REPEATABILITY	+ - 200 nm (typ.)
MOTION	
MAX OPERATING FORCE (PUSH / PULL)	10 N (min.)
HOLDING FORCE (WHEN POWER IS OFF)	10 N (min.)
MAX SPEED (AT NO LOAD)	8 mm/s
MAX SPEED (AT MAX OPERATING FORCE)	1 mm/s (min.)
DRIVE TYPE	
MOTOR TYPE	Piezo Drive
MECHANICAL	
MECHANICAL INTERFACE	9.5 mm clamping shank or M10 mounting thread
SIZE	67x28x14 mm
MISCELLANEOUS	
VACUUM SIDE CABLE	0,5 m cable (+-5%) with f. D9SUB connector
AIR SIDE CABLE	2 m cable (+-5%) with f. D9SUB and ix-Industrial connectors
MATERIAL	Piston: Stainless Steel Housing: Aluminum

Order Information

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

PRODUCT	DESCRIPTION
GO-ACT1HV	One GO Actuator HV with Cable and f. D9SUB Connector including: <ul style="list-style-type: none"> Air side cable with f. D9SUB & ix Industrial™ connectors.

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.