ANR101/NUM

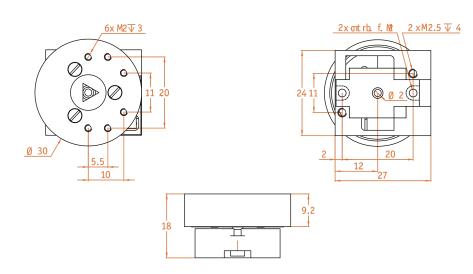


Technical Specifications

Technology	
travel mechanism	inertial piezo drive
positioner type	rotator
Size and Dimensions	
footprint; height	27x24; 18mm
weight	g
Materials	
positioner body	titanium (upgrade option: copper beryllium)
actuator	PZT ceramics
connecting wires	insulated twisted pair, copper
Options	
environmental options	/RT
Load (@ ambient conditions)	
maximum load	1 N
maximum dynamic torque around axis	0.8 Ncm
maximum torque perpendicular to axis	20 Ncm
Coarse Positioning Mode	
input voltage range	0 - 60 V
travel range (step mode)	360 °
maximum drive velocity @ 300 K	approx. 30 °/s
typical minimum step size @ 300 K	1 m°
Fine Positioning Mode	
fine positioning resolution	μ°
fine angular positioning range @ 300 K	50 m°
input DC voltage range @ 300 K	0 - 120 V

Accuracy of Movement	
repeatability of step sizes	typically 5 % over full range
typ. forward / backward step asymmetry	typically 5 %
Position Encoder	
readout mechanism	optoelectronic sensor
encoded travel range	
sensor power (when measuring)	300 mW
wavelength of illumination	870 nm
sensor resolution	0.01 m°
repeatability	1 m° (bidirectional)
linearity (over full travel)	< 0.01 %
Working Conditions	
mounting orientation	axis vertical
magnetic field range	0 - 7 T
minimum pressure (/RT)	ambient
temperature range (/RT)	273K 328K
Connectors and Feedthroughs	
cable	50 cm cable with connector
connector type	14-pole connector
connector type (/HV, /UHV)	15-pin D-Sub connector
Versions	
/RT version	1002550

Technical Drawings





All rights, including rights created by patent grant or registration of a utility model or design as well as rights of technical modifications are reserved. Delivery subject to availability. Designations may be trademarks, the use of which by third parties for their own purposes may violate the rights of the trademark owners. © attocube systems AG 2001-2018