

ANC350 Piezo Motion and Readout Controller

1002787

Technical Specifications

General Specifications	
type of instrument	multi-functional piezo controller for closed loop positioners
number of slots	3
connector to product (pos/mic)	SubD-Mix connector (female)
Modes of Operation	
open loop positioning	stepping mode for positioners, fine positioning mode for positioners
closed loop positioning	depending on encoder system
remote operation	USB 2.0, Ethernet port (optional)
capacitance measurement	50..5500 nF
positioning mode	stepping, fine positioning, closed loop positioning
no. device per operation	control of multiple device via one PC
Size and Dimensions	
chassis	19" rack, 2 rack units, 9 x 45 x 28.5 cm ³
weight	approx. 5 kg
Controller Hardware	
power supply	90 - 240 VAC, 50..60 Hz
power consumption [W]	max. 100
connector	fused IEC inlet
connection cable (ELE - POS)	1 per axis, length: 2m
Software Drivers	
Windows, Linux	Stand-alone application for Windows XP™, 7™, 8™, 10™; LabVIEW™; Epics (ethernet required); DLL
Output Signals	
output voltage range	stepping : 0..70 V
frequency range	stepping : 0 .. 2 kHz
output current	stepping : max > 8 A peak
maximum capacitance load	1.5 µF (more with reduced bandwidth)
setpoint bandwidth	1 kHz
output noise	<8 mVpp (20 MHz bandwidth)
output filter	additional switchable output filter(1.6, 16, 160, 1600 Hz)
resolution of signal generation	1.1 mV (16 bit)
Trigger Signals	
trigger level definition	LVTTL (3.3 V), AquadB
input trigger	1 per axis
output trigger	1 per axis
trigger interface	GPIO - port
Options and Upgrades	
optional upgrades	ANC350 Ethernet Schnittstelle

