AMC100

1013508

Technical Specifications

Modes of Operation	
open loop positioning	stepping signals for ECS positioners
closed loop positioning	closed loop control for ECS/NUM positioners
remote operation	Ethernet Port and USB (with adapter)
Size and Dimensions	
chassis	22 x 22 x 4.5 cm^3
weight	2 kg
Controller Hardware	
power supply	100/115/230V, 50 .. 60 Hz
connector	IEC inlet
connection cable (ELE - POS)	1 per axis, length: 2m
Software Drivers	
Windows, Linux	DLL, LabVIEW™, JSON
	Stand-alone application for Windows XP™, 7™, 8™, 10™
Output Signals	
output connectors	26-Pin SubD connector
output voltage range	stepping : 0 .. 45 V; fine positioning : 0..45 VDC
frequency range	stepping : 0 .. 5 kHz (1 axis); stepping : 0 .. 2 kHz (3 axes simultaneously)
output current	stepping : max > 16 A peak
maximum capacitance load	2 µF
output noise	< 5 mVpp (500 kHz bandwidth)
resolution of signal generation	680 µV (16 bit)
Trigger Signals	
trigger level definition	LVDS, LVTTL
input trigger	1 per axis
trigger interface	GPIO - port
Features and Upgrades	
/PRO feature	enhanced functionalities and control for closed loop operation
/IO feature	realtime interfacing with external signals (through GPIO port)
/RC remote control feature	wireless control of nanopositioners
AMC/IDS closed loop feature	interferometric position control using attocube`s IDS3010
Rotation Compensation feature	Feed-forward runout compensation of a rotator by two xy-stages