

ECC100

3 axis piezo motion controller for driving attocube ECS positioners

Modes of Operation		Output Signals	
versions	ECC100/STD, /PRO, /SYNC, /SYNC/PRO	stepping - voltage range	045 V
open loop positioning	stepping signals for ECS positioners	stepping - frequency range	05 kHz (1 axis),
closed loop positioning	closed loop control for ECS/NUM positioners	11 3 1 3 3	02 kHz (3 axes simultaneously)
remote operation	USB2.0	stepping - maximum current	> 5 A peak
		resolution of signal generation	680 µV (16 bit)
Controller Hardware		output noise	< 5 mVpp (500 kHz bandwidth)
chassis	approx. 21 x 21 x 5 cm³	maximum capacitive load	2 μF
weight	1.9 kg	output connectors	15-Pin SubD connector
power supply	100/115/230 V, 5060 Hz	setpoint bandwidth	20 Hz
power consumption	max. 100 W		
connector	IEC inlet	Trigger Signals	
connecting cable (ELE-POS)	1 per axis, length: 2 m	trigger level definition	ΠL
		input trigger	1 per axis
		trigger interface	GPIO-port
Software Drivers			
Windows, Linux	Stand-alone application for Windows XP [™] ,		
	Victo IM 7IM OIM		
	Vista [™] , 7 [™] , 8 [™]		
	DLL		
/PRO Upgrade Features multi device operation open loop positioning trigger level definition input trigger output trigger setpoint bandwidth	DLL	Models and Part Numbers positioning controller	ECC100/STD/RT (art. no. 1005701) ECC100/STD/Vac (art. no. 1008447) ECC100/PRO/RT (art. no. 1008255) ECC100/PRO/Vac (art. no. 1008245) ECC100/SYNC/RT (art. no. 1008244) ECC100/SYNC/PRO/RT (art. no. 1008279) ECC100/SYNC/PRO/Vac (art. no. 1008446)
multi device operation open loop positioning trigger level definition input trigger output trigger	Control of multiple ECC100 units with one computer via USB fine positioning mode for positioners TTL, AquadB 1 per axis (TTL or AquadB) 1 per axis (AquadB) 1 kHz Ethernet control of multiple ECC100 units with one	positioning controller Options & Upgrades /PRO package /SYNC package	ECC100/STD/Vac (art. no. 1008447) ECC100/PR0/RT (art. no. 1008255) ECC100/PR0/Vac (art. no. 1008245) ECC100/SYNC/RT (art. no. 1008254) ECC100/SYNC/Vac (art. no. 1008444) ECC100/SYNC/PR0/RT (art. no. 1008279) ECC100/SYNC/PR0/Vac (art. no. 1008446) activation code (art. no. 1007995) activation code (art. no. 1007438)
multi device operation open loop positioning trigger level definition input trigger output trigger setpoint bandwidth /SYNC Upgrade Features remote operation	DLL LabVIEW™ control of multiple ECC100 units with one computer via USB fine positioning mode for positioners TTL, AquadB 1 per axis (TTL or AquadB) 1 per axis (AquadB) 1 kHz Ethernet	positioning controller Options & Upgrades /PRO package	ECC100/STD/Vac (art. no. 1008447) ECC100/PRO/RT (art. no. 1008255) ECC100/PRO/Vac (art. no. 1008245) ECC100/SYNC/RT (art. no. 1008254) ECC100/SYNC/Vac (art. no. 1008444) ECC100/SYNC/PRO/RT (art. no. 1008449) ECC100/SYNC/PRO/Vac (art. no. 1008446) activation code (art. no. 1007995)

Photos





