Product-Specification

Products	Digital Controllers for Piezo-Actuators/Displacement-Sensors		
Product Numbers	**EBD-060320, EBD-060325, EBD-060330**	**Unit**	**Tolerance**
Channels	2/2.5/3		
Output Voltage for Piezo	-45 to +180	V	max.
Sensors	Strain-Gages (SGS)		
Control Parameters	PID, 2 Notch Filters per channel		
Control Loop Time	20	µs	
Software/Support	nFControl Windows (7..11) GUI, API, C#, DLL, LabView, Python, Linux, µMgr, EPICS, etc.		
Resolution	18	bit	
Current	150 peak, 60 average	mA	max.
Protection	Output: short circuit proof, Supply: reverse polarity protected		
Supply	24 (1.5 A min.)	VDC	
Data-Recorders	2 (512 values each)		
Digital Interfaces	USB and Ethernet (RS232 as option)		
Analog Interfaces I/O	Input scalable in -10..+10, Output -5..+5 or 0..+10	V	
Connection, Piezo and Sensor	DSub25f		
Connection, Analog I/O	DSub15f		
Connection, P/S	SwitchCraft RASPC10PS		
P/S, counter-socket	SwitchCraft PowerJack S10KS12		
Power Supply	external, included		
Ambient Temperature	+10 to +40	°C	
Design	aluminum black		
Dimensions, H x W x D	41.5 x 183 (207 incl. shackles) x 157.5 (plus interfaces)	mm	
Standards	2014/35/EU, Low Voltage Directive (LVD) 2014/30/EU, EMC Directive 2011/65/EU/ RoHS Directive Safety (Low Voltage Directive): IEC 61010-1:2010, IEC 61010-1:2010/AMD1:2016 EMC: EN 61326-1:2013 RoHS: EN IEC 63000:2018		





