

## Product-Specification

Products	Digital Controllers for Piezo-Actuators/Displacement-Sensors		
Product Numbers	EBD-0602n0 (n = number of channels)	Unit	Tolerance
Channels	2/3		
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® GUI, API, C#, DLL, LabView®, Python®, Linux®		
Operating System Requirements	Microsoft® Windows® 7/8/10		
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 to +10 V, Output fix -5 to +5	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	2006/95/EC, Low Voltage Directive 2004/108/EC, EMC Directive 2011/65/EU, RoHS Safety (Low Voltage Directive): EN 61010-1:2010 EMC: EN 61326-1:2013 RoHS: EN 50581:2012		

