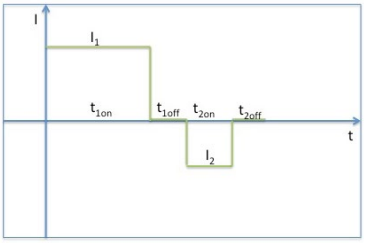
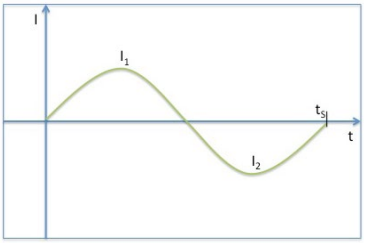
µGALVANO – WAVE SEQUENCING POWER SUPPLY

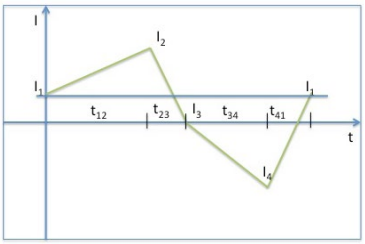
PRODUCT INFORMATION SHEET EP



Pulse/reverse pulse



Sine



Triangle

The µGalvano is a wave sequencing power supply dedicated for electroplating applications in MEMS technology and wafer electroplating.

Unlike a standard rectifier the device offers a variety of functionality like constant current, pulse / pause current, pulse and reverse pulse current output as well as triangle, ramps, and sinus forms.

The µGalvano is currently available in two configurations, with 1 Amp or 10 Amps as maximum output current.

With its micro-controller based web server, the µGalvano can be conveniently controlled by any kind of web-browser. Furthermore, the the µGalvano can be also controlled by any PC and PLC using a TCP/IP socket connection.

Waveform Current Source – 1 Amp / 10 Amp Version

Hardware		
Input	100-240V AC 50-60Hz 100 Watt	
Outputs	U= +/-10V I=+/-1A Resolution 0,1mA Ripple < 1% I_{eff}	U= +/-10V I=+/-10A Resolution 1mA Ripple < 1% I_{eff}
Wave Forms	Constant Current DC Pulse Pause Pulse / Reverse Pulse / Pause Sinus Triangle function Ramp	
HMI	Integrated Web-Interface (TCP/IP), Ethernet 10/100 MBit/s	
Case	19" standard housing – 3HE	

System Status	
Total Charge Transfer (Totalizer)	A h (Amp hours), A min (Amp minutes), A sec (Amp seconds)

System Configuration	
Analog Monitor I-Output	BNC female connector I=+/-10 A ==> U=+/-10 V
Analog Monitor U-Output	BNC female connector U=+/-10 V

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