

Output power:	max.	120 Watt	Typical applications:	Laboratory plating lines
DC current:	max.	12A (at 10V)	Precious metal plating	Reel-to-reel plating
DC voltage:	max.	12V (at 10A)	PCB lines	Manual plating lines

DC power supply linear controlled, designed for use in electroplating.



POWER STATION pe1010, front view



POWER STATION pe1010, back view

Characteristic values

Linearity inaccuracy < 0.3 %

Ripple less than < 0.2 %

Powerfactor $\cos \varphi$ 0,95

Constant current and voltage control

Soft start function

Over temperature protection

Current and voltage preset

Digital displays for current and voltage

Precise current and voltage settings via 10-turn potentiometer (270° or other on request)

Mains supply: standard 230 V +/- 10 % / 50-60 Hz (other voltages on request)

Cooling

Optimized cooling air guiding, air consumption max. 160m³/h

Cooling air outlet at the device back panel

Ambient temperature 35°C (other on request)

Design

Compact desktop unit, protection grade IP21

Casing powder coated colour RAL 9018 (Standard)

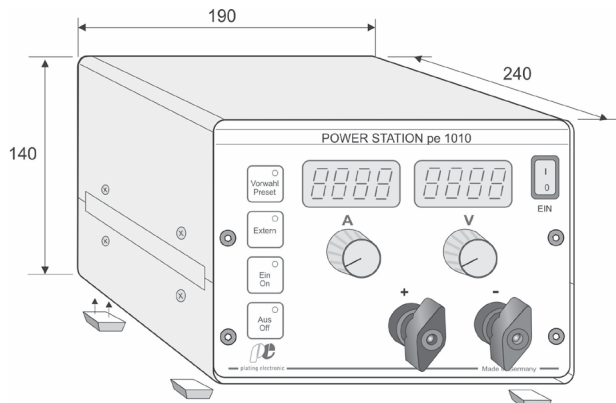
Aluminium front panel with polycarbonat film

DC connection in front or back panel (lead through bolts or oval flat clamp)

EMV: EN55011 Klasse A, Gruppe 1 ; EN61000-6-4 und EN61000-6-2
CE-Konformität EN50178 - Niederspannungsrichtlinie

Values	Standard sizes – DC output ¹							other sizes on request
DC current	12 A				10 A	8 A	4 A	
DC voltage	1V	4V	6 V	8 V	10 V	12 V	15 V	30 V
Mains supply	230 V AC							
Weight	approx. 5 kg							approx. 6,5 kg

Standard dimensions



Optional available

External Ampere-hour counter (totalizer) and preset counter

External communication via isolation amplifier

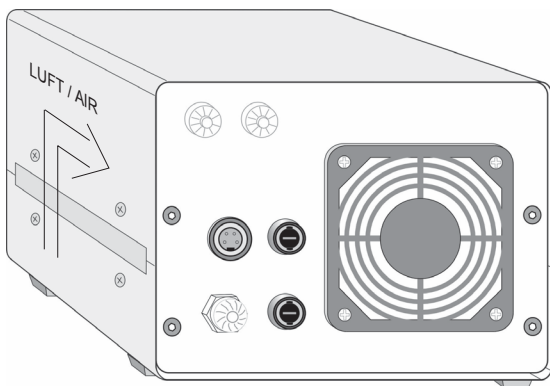
Separate electronic controlled pole changer

External high / low voltage alarm

Auto display resolution

Shunt signal

The shunt connector enables you to read the actual output current by internal shunt with 0 ... 60 mV for 0 ... I_{nenn} .



DC connector

can be installed in front or back panel



Back view

DC lead through bolts



Front view

DC oval flat clamp

Technical equipment, design and features: subject to change! For further information please contact plating electronic GmbH.

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