

| | | | |
|----------------------|-----------------------------|------------------------------|--------------------------|
| Output power: | 12 - 120 Watts | Typical applications: | Laboratory plating lines |
| DC current: | 2 - 12 A (max. 12 A / 10 V) | Precious metal plating | Reel-to-reel plating |
| DC voltage: | 6 - 30 V (max. 30 V / 4 A) | 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 < 0,2 %

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)

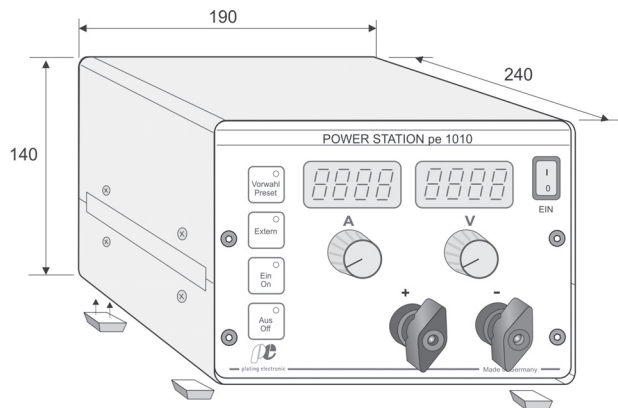
Aluminium front panel with polycarbonat film

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

EMV: EN50011 class A, group B ; EN61000-6-4 and EN61000-6-2;
CE-conformity low voltage guide line: EN50178

| Values | Standard sizes – DC output ¹ | | | | | | | | | | other sizes on request | |
|--------------|---|-----|-----|-----|------|------|------|------|----------------|------|------------------------|--|
| | 12 A | | | | | 10 A | 8 A | 6 A | | 5 A | 4 A | |
| DC current | 12 A | | | | | 10 A | 8 A | 6 A | | 5 A | 4 A | |
| DC voltage | 4 V | 5 V | 6 V | 8 V | 10 V | 12 V | 15 V | 18 V | 20 V | 24 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

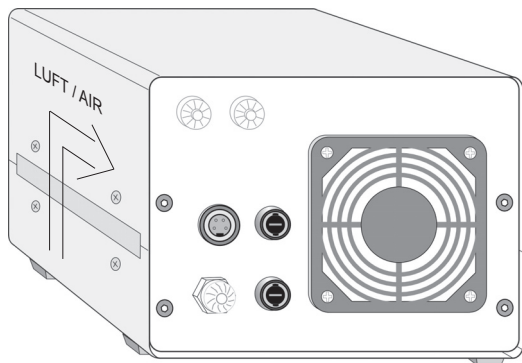
Separate electronic controlled pole changer

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}



Back view
DC lead through bolts



Front view
DC oval flat clamp

DC connector

can be installed in front or back panel

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