



Voltage, current and over-voltage protection (OVP) continuously adjustable from 0 to full output via

- Front panel controls (ten turn)
- Remote programming (0-10V; 0-12V OVP)
- Resistance programming
- RS232 (incl. by default)
- Plug in IEEE-488-Interface (optional)

Call us for a customer requested solutions like other current/voltage configurations

Features

- **200W output**
- Precision series-pass regulation with Thyristor-preregulation
- For normal laboratory use as well as complex system applications
- Fast regulation, low ripple, high precision
- Constant Voltage Mode / Constant Current Mode with automatic crossover
- Monitor for voltage and current (0-10V for 0 to full output)
- Remote sensing
- Soft start
- Series or parallel operation, Master-Slave operation
- Short circuit protection, Transient protection
- Thermal protection, derating
- Prepared for 19" rack mounting, 3 U

Voltage (V _{DC})	0-20	0-40	0-70	0-160
Current (A _{DC})	0-10	0-5	0-3	0-1,3

Specifications

• Constant Voltage Mode (CV)

Voltage output range: ≤ 10mV to full output voltage, 10 turn potentiometer

Line regulation: 0,001% (± 10% line change)

Load regulation: 0,001% (100% load change)

Regulation time: 50µs (for load change from 0% to 100%) within 15mV; (20µs for load change from 25% to 100% within 10mV)

Ripple: ≤ 0,001% V_{max} or 300µV_{rms}, V_{PP} < 5mV

Temperature coefficient: 0,005% V_{max} / °C (0-40°C)

Stability: 0,001% V_{max} or 1mV within 8 hours, at const. line, const. temperature and const. load

Overvoltage protection: 0-120% V_{max}, continuously adjustable

Remote sensing: Max. line drop 0,5V / output line

• Constant Current Mode (CC)

Current output range: ≤ 25mA to full output current, 10 turn potentiometer

Line regulation: 0,05% (± 10% line change)

Load regulation: 0,1% (100% load change)

Temperature coefficient: 0,01% C_{max} / °C (0-40°C)

Stability: 0,1% C_{max} within 8 hours, at const. line, const. temperature and const. load

Output: Insulated, floating up to 300V_{DC} (+S reference point for external V/C-controls)

Input Voltage: 230V_{AC} ± 10%, 47...65Hz

Input Current: approx. 2A at 230V, soft start

Other details

Storage temperature: -20...+ 70°C

Operating temperature: 0...+ 40°C

Cooling: Forced cooling by fan

Instruments: Analog meters for voltage and current (accuracy 2,5%)

Mechanical

Dimensions: H x W x D 133 (3U) x 222 x 400 mm

Weight: approx. 12kg

Rack mounting: Two devices as 19" rack or one device + 19"/2 casing (Opt.99)

Options

Opt. 07 115V_{AC} Input voltage

Opt. 14 240V_{AC} Input voltage

Opt. 34 IEEE-488 Listener-Talker-Interface

Opt. 50 Digital meters LEDs 4 digit

Opt. 99 19" rack mounting kit

Back view

