

HCS 3602 USB

Product Description Technical information

General

Type Laboratory power pack

Design Programmable, USB, RS232

Technology Stabilised

Electrical values

Output 1-32 VDC

Current 0-30

Ripple 50 mV_{ss}

Ripple U 5 mV_{eff}

Efficiency 86 %

Interfaces

Connection Safety sockets, 4 mm

PC-Interface Yes

Packaging

Packaging Individual packaging

Specials

Short circuit protected Yes

Overload protection Yes

Fan Thermo-controlled fan

Display

Display type Digital

Measures

Width 200 mm

Height 90 mm

Depth 275 mm

Weights

Weight 3.2 kg

Implementation

Protection class Overtemperature, overload and surge protection

Power supply

Mains voltage input 100 - 240 V AC

Mains frequency 50/60 Hz

Mains plug EF - French + protective contact CEE 7/7

Power supply, on device C14 - cold device socket (m)

Output voltage, connection 4 mm (banana jack)

This laboratory power supply is a high-quality, versatile and compact switching power supply with automatic constant voltage/current operation and 3 freely programmable memories for adjusting voltage and current on the device. The power supply additionally has a USB interface and PC software for programming user-specific cyclic operations with individual voltages, currents, time periods and numbers of periods.

The power supply also has remote control capability for professional use.

The functions and properties:

- Intelligent fan speed controller
- USB interface and PC software for programming cyclic operations
- Dual-function control knobs for coarse and fine adjustment of voltage and current
- 3 freely programmable memories on board
- Constant voltage/constant current operation with automatic switch-over
- Output overvoltage protection (Tracking OVP)
- Short-circuit, overload and overtemperature protection
- Direct output connection and disconnection possible via remote control
- Simultaneous display of output voltage, output current and status
- Remote control connection for voltage and current, load output
- Good power supply and load regulation, low ripple
- Thermally controlled internal fan
- Safety: EN 61010-1, EN 60950-1

Technical data

- Output voltage: 1 - 32 V DC
- Output current: 0-30 A
- Efficiency: 86%
- Mains voltage: 200 - 240 V, 50 - 60 Hz
- Max. power consumption max. 4.5 A
- Mains voltage regulation:

Load variation (0-100%): 50 mV

Mains voltage variation (170-264V): 20 mV

- Current regulation:

Load (10-90%): 150 mA

Mains voltage (170-264 V): 50 mA

- Ripple (RMS/peak-to-peak): 5/50 mV
- Display: 2 x 3 digit + special characters
- Display accuracy: $\pm 0.2\%$ + 3 digits
- Protection circuits: short-circuit (CC), overload, overvoltage (OVP), overtemperature
- Dimensions (W x H x D): 200 x 90 x 275 mm
- Weight: 3.2 kg