

## PeakTech® 6181 PROD-ID: P 6181

[BACK](#)

### Programmable DC Power Supply 2 x 0-30 V/2 x 0-6 A; 1 x 0-6 V @ 0 - 3 A

The innovative PeakTech 6181 power supply unit with color TFT display combines the advantages of a linear-controlled laboratory power supply unit with the remote control options, which have mostly been reserved by switching power supplies so far.

It is operated via the graphical menu system and enables simple control and programming of its multiple features. In addition, the device is using the included PC software that allows a complete remote control.

For doubling the output voltage or output current values, the two independent channels can be interconnected in serial or parallel circuit. Also a plus/minus connection of the outputs is possible.

The technique used by this device and the multiple functions integrated are ideal for the use in research and development in HF-sensitive components and PCBs.



- 10 cm (3.9 ") TFT color display
- Graphical User Menu
- Two independent channels with 0 to 30 V / 0 to 6 A DC
- With additional output 0 - 6 V / 0 - 3 A DC
- High output resolution of 1 mV and 1 mA
- Low Ripple & Noise
- Over Voltage and Over Current protection
- Current, Voltage and Power display
- Up to 100 Group-Timer steps
- Time programs selectable as loop or cycle
- Included PC software for remote control
- Outputs Serial, Parallel, or plus/minus interconnected
- Record of Output values to USB-Storage
- LAN, RS-232, USB host and USB Device interface
- Accessories: Power cable, USB interface cable, software for Windows, Manual

#### MANUAL

[PeakTech\\_6181\\_Anleitung\\_02\\_2018.pdf \(1,160.3 kB\)](#)

[PeakTech\\_6181\\_User manual\\_02-2018.pdf \(3,530.8 kB\)](#)

#### PICTURES

[6181\\_Front.jpg \(429.3 kB\)](#)

[6181\\_L.jpg \(430.6 kB\)](#)

[6181\\_Rear.jpg \(354.6 kB\)](#)

Output voltage (CH1/CH2)	2 x 0 - 30 V
Output current (CH1/CH2)	2 x 0 - 6 A
Channel CH3	1 x 0 - 6 V @ 0 - 3 A
Output power	2 x 180 W, 1 x 18 W
Residual ripple (U)	≤ 0.01% + 3 mV
Residual ripple (I)	≤ 0.01% + 3mA
Set Resolution U	1 mV
Set Resolution I	1 mA
Accuracy U	≤ 0.03 % + 10 mV
Accuracy I	≤ 0.1% + 8 mA
Read Back Accuracy U	≤ 0.03 % +10 mV
Read Back Accuracy I	≤ 0.1% + 8 mA
Read Back Accuracy U	1 mV (< 10 V) ; 10 mV (> 10 V)
Read Back Accuracy I	1 mA
DISPLAY SPECIFICATIONS :	
Display Size	10 cm (3.9") TFT-Display
Display Resolution	480 x 320 Pixel
Display Colors	65536 Colors
GENERAL SPECIFICATIONS :	
Interfaces	LAN, USB host, USB device, RS-232
Operation Voltage	110 V - 220 V AC (+/- 10%), 50/60 Hz
Cooling	Fan Cooling (load dependent)
Dimensions (WxHxD)	250 x 160 x 360 mm
Weight	12 kg
EAN-13	4250569404337

