

HM8143 Three-Channel Arbitrary Power Supply



The most versatile power supply

- ▮ 2 × 0 V to 30 V/1 × 5 V, 3 × 2 A (max. 130 W)
- ▮ Realtime voltage and current values
- ▮ Linear regulated power supply
- ▮ Setting and readback resolution: 10 mV, 1 mA
- ▮ Combined fuse and tracking mode
- ▮ Advanced parallel and serial operation
- ▮ Galvanically isolated, earth-free and short-circuit-protected output channels
- ▮ Front connectors: 4 mm (0.16 in) safety sockets
- ▮ Sense connectors for line loss compensation for all 30 V channels
- ▮ External modulation of output voltages up to 50 kHz
- ▮ Usable as current source and sink
- ▮ Free PC software for remote control and creation of arbitrary waveforms (4096 points, 12 bit)
- ▮ LabVIEW drivers available

Models/options

Designation	Type
Three-Channel Arbitrary Power Supply	HM8143
IEEE 488 (GPIB) Interface Card	HO880

Application	How the R&S®HM8143 meets your needs
Engineering labs	<ul style="list-style-type: none"> ▮ Up to 30 V, 2 A per regulated channel ▮ Linear regulated power unit ▮ Sense inputs for compensation of lead resistances ▮ External modulation up to 50 kHz
Production environment	<ul style="list-style-type: none"> ▮ Trigger and modulation connectors (BNC) ▮ Full remote control, several interfaces available, LabVIEW
Simulation of charging processes of batteries	<ul style="list-style-type: none"> ▮ Free PC software to program arbitrary waveforms ▮ Usable as sink and source