

DATASHEET 1306-2844

Operating Modes Setting

Current:	Voltage:	Resistance:	Power:
0 ... 10 A	0 ... 440 V	1 Ω ... 2000 Ω	0 ... 2800 W



Accuracy of Settings*:

Current: **±0.5%** of setting
±0.3% of range

Resistance: **±1.5%** of setting
±0.5% of range

Presetting Accuracy*:

±0.4% of setting
plus accuracy of respective mode

Power:

Nominal power: **up to T_A = 21 °C**

Derating: **-1.2% / °C for T_A > 21 °C**

Frequency Range:

DC, 40Hz ... 700Hz

Harmonic Distortion*:

50Hz / 60Hz: **<1% at nominal current**

Higher frequencies: **>1%**

Input Capacitance:

ca. 1.5μF/1400W

Operating Temperature:

5°C ... 40°C

Analog Programming:

0 ... 3.5V/0 ... 7V **for current setting 0 ... 100%**

Accuracy*: **±0.5%** of setting
±0.3% of range

Input Resistance: **>10kΩ**

GND: **isolated from the load input
(max.±500V)**

Analog Monitor Outputs:

Current, Voltage: **0 ... 7V**

Accuracy*: **±0.5% ±15mV**

Power: **0 ... 5V**

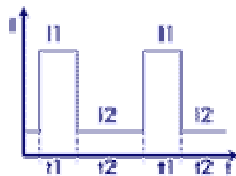
- Accuracy*: **±2% ±30mV**
- GND: **isolated from the load input (max. ±500V)**
- Loading Capacity: **min. 2kΩ**
- External Control:**
- Load switching
 - Trigger input and output
 - Emergency shutdown
- Protection Equipment:**
- Current and power limitation
 - Over-voltage protection up to 120% of rated voltage
 - Over-temperature deactivation
 - Transient protection

Minimum Voltage:

- 260V-Devices: **Full current from ca. 3V**
- 440V-Devices: **Full current from ca. 5V**

Modulator for AC & DC:

Pulse t1: 100µs ... 1s
 Pulse t2: 100µs ... 1s
 (in two ranges)



- Accuracy: **±1% of setting
 ±0.5% of end value**
- Load level: **each 0 ... 100%**

Programming (for interface options):

- Settings: **16 Bit resolution**
- Accuracy: **see accuracy of settings**
- Measurements: **18 Bit resolution**
- Accuracy*I: **±0.5% of m.v., ±0.05% of range**
- Accuracy*V: **±0.5% of m.v., ±0.05% of range**
- Measuring rate: **ca. 3 measurements/s**

- Parallel Operation:** **up to 3 devices in master-slave operation (hardware-controlled)**
- Cooling:** **infinitely variable controlled fans**
- Noise max. ¹⁾:** **72 db(A)**
- Dimenson, Weight:** **19"-5 HU, 34 kg**
- Mains Supply:** **115/230V±10%, 50...60Hz**

Power Consumption: 230 VA

Colour:

Front panel: **RAL7032 (pebble grey)**

Sides, lid: **RAL7037 (stone grey)**

Electric Safety: **DIN EN 61010-1**

EMC, CE Mark: **DIN EN 61010: 2002-08**
DIN EN 61326-1: 2006-10
DIN EN 61000-3-2: 2006-10
DIN EN 61000-3-3: 2006-06

** The accuracy data are referred to input frequency 50/60Hz.
At higher frequencies the accuracy will be worse.*

1) measured at the front panel at 1m distance