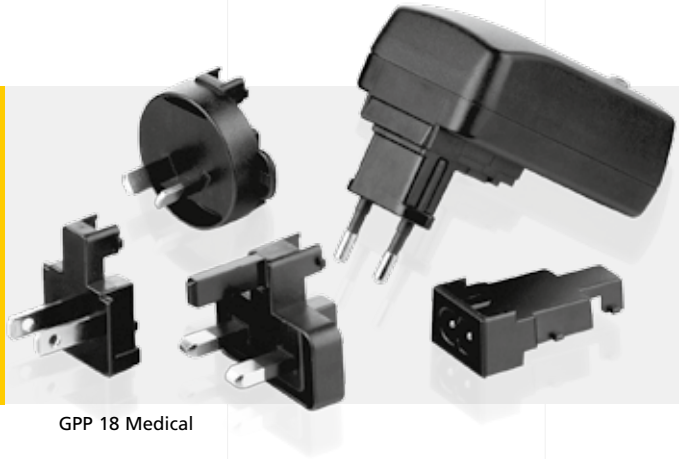
Switchmode Power Supply

GPP 18 Medical

Conforms to IEC 60601-1

18 Watts



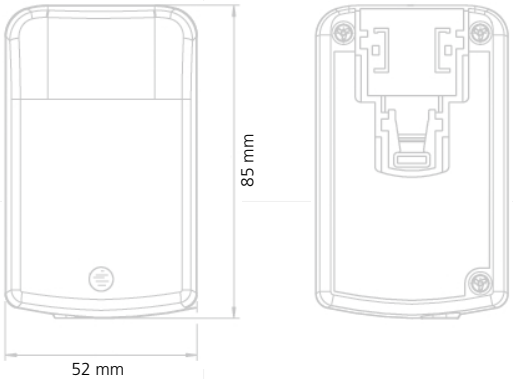
GPP 18 Medical

Applications

- Blood analyzer
- Patient monitors
- Measuring equipment
- Laboratory equipment

Characteristics

- Universal input 100 to 240 V AC
- Exchangeable primary adapters
- Constant voltage, current limited
- Green LED indicator
- Low leakage current ≤ 10 µA
- Low standby power ≤ 0.5 Watt
- Continuously short circuit proof



GPP 18 Medical

Technical data

Input voltage	100 to 240 V AC (± 10 %)
Input current	400 mA
Frequency	50 to 60 Hz
Efficiency	80 % typ. at full load
EMC	Conforms to EN 55011, EN 55014, EN 55022/B, FCC 47 part 15, EN 61000-3-2, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-11
Output voltage tolerance	+ 5 %, -7 %

Environmental specification

Operating temp.	0 to 40°C at maximum load
Storage temp.	-40 to 70°C
Humidity	5 % to 95 % non condensing
Input transient susceptibility	Complies with IEC 61000 requirements

Safety specification

Standards	Fulfils Class II SELV for the following applications: IEC 60601-1, UL 2601, VDE, CE label, fulfils medical application class B/BF/CF

Reliability specification

MTBF calculation	200,000 hours at maximum load levels and an ambient temperature of 25°C (in accordance with MIL-HDBK-217)

Mechanical specification

Weight approx.	170 g
Plug connector	AC input: FRIWO exchangeable mains plug system: EURO, UK, USA/Japan, Australia, IEC DC output: Universal output plug system

Market leading

Medical power supplies	100 to 240 V input voltage without earthing, leakage current ≤ 10 µA

available at Q1 2008

For primary adapters see page 36

Output data			Worldwide
Voltage	Current	Ripple Volt.	Order No.
5 V	**3000 mA**	**75 mV pp**	**1890854**
6 V	**2500 mA**	**75 mV pp**	**1890920**
7.5 V	**2000 mA**	**75 mV pp**	**1890925**
9 V	**1800 mA**	**90 mV pp**	**1890924**
12 V	**1500 mA**	**100 mV pp**	**1890856**
15 V	**1200 mA**	**100 mV pp**	**1890923**
18 V	**1000 mA**	**180 mV pp**	**1890922**
24 V	**750 mA**	**180 mV pp**	**1890855**