

600

Power Supply

1. Internal battery NiMH

Part No 571 202 460, Weight 0.5 kg 1.1 lbs
NiMH 12V, 1.6 Ah battery. Charging via Super charger 571 906 145 or Single charger 571 906 214.

2. Radio battery/External battery NiMH

Part No 571 204 270, Weight 0.6 kg 1.3 lbs
NiMH 12V, 3.5Ah battery. Fits directly onto the external radio. In order to supply other units such as instruments, control units you must also attach a single adapter 571 204 256. Charging via Super charger 571 906 145 or Single charger 571 906 214.

3. Single adapter for external battery

Part No 571 204 256, Weight 0.1 kg 0.2 lbs
To connect the external battery 571 204 270 3.5Ah to other units.

4. Multi adapter for external battery

Part No 571 204 273, Weight 0.68 kg 1.5 lbs
To increase the battery capacity by connecting up to three batteries 571 204 270 with each other. Will then bring up to 10.5 Ah battery capacity.

5. Internal battery for side cover, NiMH

Part No 571 202 880, Weight 0.3 kg 0.7 lbs
NiMH 12V, 1.2Ah battery. Charging via Super charger 571 906 145 or Single charger 571 906 214.

6. Super charger 10-30V DC

Part No 571 906 145, Weight 1.1 kg 2.42 lbs
Charging unit for up to 4 batteries. Can be powered from cigarette lighter socket in your car or from Power supply 571 906 146. Delivered without charging cable.

7. Single charger

Part No 571 906 214, Weight 0.62 kg 1.36 lbs
Delivered without power cable.

8. Power supply 100-240V AC

Part No 571 906 146, Weight 0.7 kg 1.54 lbs
Power supply for Super charger 571 906 145, the Control unit System 600 or for two Geodimeter instruments. Connectors for mains cable, cigarette lighter outlet and two Hirose connectors. Delivered without power cable.

9. Power cables for Power supply 571 906 146,

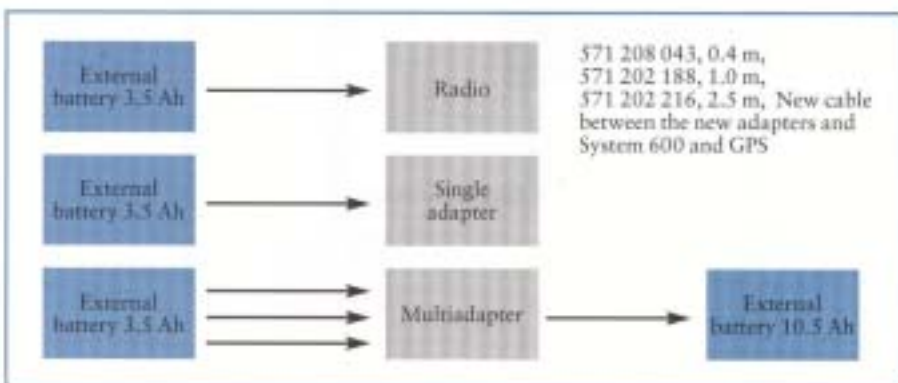
220V Part No 571 905 924, Weight 0.1 kg 0.2 lbs
115V Part No 571 905 925, Weight 0.1 kg 0.2 lbs
230V Part No 571 908 040, Weight 0.1 kg 0.2 lbs

10. Charging cable for External battery 571 204 270

Part No 571 208 020, Weight 0.1 kg 0.2 lbs

11. Charging cable for 6.6 Ah battery

Part No 571 208 018, Weight 0.1 kg 0.2 lbs



Power Pack Pro

A versatile, effective and environmentally friendly power supply system

Because of our ambition to avoid the environmentally harmful NickelCadmium-batteries, Spectra Precision is now launching a complete system of power supplies with the environmentally friendly Metal-Hydride-batteries.

Three different batteries

The range of batteries now includes three different types: an internal battery for Geodimeter System 500 and 600, a side-cover battery for Geodimeter 600 and a new 3.5 Ah external battery.

3.5 Ah battery capacity – extendable to 10.5 Ah!

The uniqueness of the new external battery is its flexibility; it fits all the Geodimeter® and Geotracer® systems and it also works as a battery for the external Georadio. However the biggest news is that you can also connect up to three batteries in sequence and thereby increase the capacity to 10.5 Ah!

Spectra Precision can supply two types of battery chargers for the new batteries, a super-charger which can charge up to four

batteries in sequence, and a single-charger for charging one battery at a time. Both chargers work with the new NiMH-batteries as well as the previous NiCd-batteries.

The Super Charger

The Super Charger is well prepared for the batteries of the future and can also, if needed, be upgraded with new software. It is run with 10-30 V DC and is fitted with a connector for both 19 mm and 12 mm cigarette lighter outlets. Up to four batteries may be connected for sequential charging. Batteries designed for rapid charging can be charged in 1-2 hours.

The charger can also be adapted for normal charging and reconditioning of batteries. Using the microprocessor technology it senses each battery's chemical status and adjusts the charging current and the duration of the charge accordingly. Even when a battery is fully charged, the monitoring continues with an equalizing charge and compensation for self-discharge.

The Single Charger

Don't be fooled by the small format. The

Single Charger also handles all our batteries and is an interesting price-alternative to the Super Charger. The charger works with 115V as well as 230V and can charge one battery at a time. Both NiCd and NiMH batteries can be charged.

The Power Unit

The power unit handles voltages from 90 to 260V. Loose cables are used to adapt the power unit to local currency standards.

The power unit is fitted with connectors for the main cable or cigarette lighter cable for power, and two Hirose connectors for Geodimeter system cabling. The power unit can therefore be used as a link between two Geodimeter instruments (or two control units) so that they can communicate with one another.

Spectra Precision has put a great deal of effort into making the PowerPack system safe and easy to use. The batteries are fully sealed and can withstand tough handling. They are also protected against polarity reversal and short-circuiting during charging. The charger is shock-proof and can be used in temperatures between $\pm 0^{\circ}\text{C}$ and $+40^{\circ}\text{C}$. It can handle condensation, but should naturally not be exposed to rain.

The charger and power unit meet the relevant requirements specified in EMC directive 89/336/EEC in respect to function, documentation and marking (CE marking for Europe, UL marking for Asia and USA and CSA marking for Canada).

The new NiMH-batteries are designed for normal use in the products for which they are specified. Apart from being environmentally friendly, they also have up to 50% higher capacity compared with nickel-cadmium batteries.

To put it simply – PowerPack Pro is an intelligent, powerful, robust and extremely well-conceived power supply system. It meets all the stringent requirements specified as regards to quality, safety and environmental friendliness. It has been tested and approved for use throughout the world.



Power Pack Pro kit

Part No PWR 220; PWR 115; PWR 230UK

Includes:

- 571 126 262 Transport case, power kit
- 571 204 270 External battery 12V 3.5Ah
- 571 204 273 Multi adapter
- 571 208 020 Charging cable
- Power cable 220/115/230V
- 571 906 145 Super charger, 10-30V DC
- 571 906 146 Power Supply, 100-240V AC