

Type SIPP/1 Portable 5Vdc Sensor Power Pack SIPP/1

General Description

This portable power pack is primarily designed for use with Compact VLS and MiniVLS (Laser versions) series 5v powered Optical Speed Sensors in free standing applications where short term Speed measurements are required.

The power unit has internal rechargeable batteries which provide nominal 5Vdc output for Sensors or any similar 5V operated device.

An external ac power adaptor is available to provide recharging and to power the unit directly from a 230VAC mains supply for prolonged device use. Charge rate from fast rate to trickle charge is automatically controlled and LED indication of charge mode is standard.

Ideal for use with portable Condition Monitoring equipment, such as Data Collectors, as a speed/phase input device essential for shaft balancing applications. Used by many specialist manufacturers of CM & predictive maintenance equipment.

General Specification

Int. Power Source	x4 AA size rechargeable Ni-Cad Cells
Power output	5vdc @ 200mA max.
Cont. battery use	Typically 20hrs max for MiniVLS
Ext. Power input	9-12vdc @ 300mA (ext. Adpt.)
Ext. Power	Standard 2.1mm dc jack connector
Power On LED ind.	Indicates external power connected
Fast On LED ind	"Fast Mode" indication
Charge circuit	Automatic Fast/trickle charge mode, fast rate @ x5 trickle rate

Additional Information

General portable applications
The unit can also be used for any application where a small portable 5Vdc supply is required.

Optical Speed Sensors

See separate VLS and MiniVLS products in the Compact Speed Sensors ranges
There are two types of Optical Sensors which can use this SIPP Power Pack, The standard VLS and the MiniVLS Sensors.

Mains Power adaptor - SIPP/AC1

This unit is a 230Vac UK 13A type charger/power supply for use with SIPP/1 Power pack, the SIPP/1 can also be supplied with power from any suitable 9-12Vdc source as an alternative.

European and USA versions are also available as optional items to order.

Signal Output

Pulse Output facility
Pulse output = 5v Open Collector
Via BNC connector
Pulse input = From connected Optical Sensor

Sensor Input facility

Sensor connector = DIN 5 pin 180° socket (provides 5Vdc power output
Enclosure - Black ABS - heavy gauge
Dimensions = 106 x 66 x 46mm



Order Code	Description
SIPP/1	Sensor Interface Power Pack
SIPP/2	2m signal input cable, 5 pin, terminated ends
SIPP/AC1	230v AC Charger (UK 3 pin)
SIPP/AC2	230v AC Charger (European 2 pin)

Cables & Connectors	Description
MVLS-2/002	2m cable, 5 pin 180 din plug
MVLS-3/009	3m cable+metal latching 5 pin, din180 deg