



## Introduction

The SP3 Signal Conditioner has been designed for applications where simple amplification of the output of an inductive coil is required. Typical applications include signal boosting where electrical interference along the signal cable run could cause spurious readings, or where long transmission lengths lead to attenuation of low level outputs.

The unit is very lightweight and can be attached to any suitable surface with a self adhesive pad. Wiring is easily carried out to the integral terminal block.

The unit operates as a three wire system using a DC supply. The unit is not intended for use in exposed conditions. For applications where additional environmental protection is necessary, it must be provided by the user during installation.

## Advantages

- Economic alternative to expensive pre-amplifiers
- Minimal installation requirements
- Compact Design
- Suitable for retro fitting
- Output suitable for most instrumentation

## Specification

Dimensions	40 x 50 x 20 mm
Weight	60 Grams
Supply Voltage	10-40 V DC
Operating Temperature	0-80°C
Minimum Input level	12 mV
Output Signal	Square wave 0-(supply Voltage) at input frequency

## Connections to Terminal Block

1. Vs+ Power Supply
2. 0V
3. Square wave output pulse
4. Input a from pick off coil
5. Input b from pick off coil
6. Screen from pick off coil cable

