

1 inspire® 1 YEAR



1. Inspire PowerPro Advanced Signal Generator

The PowerPro signal generator is an advanced signal generator and amplifier designed specifically for use in school physics departments.

The unit also includes an auxiliary input for amplifying external signals – this is ideal for amplifying MP3 or iPod music signals for use with the SLS Rubens tube (SES250913). Requires an audio input lead and 4mm adapter (PY5019) which is available separately.

- Frequency range: 1 to 110 kHz in 5 decade ranges
- Waveforms: sine, square or triangular. Square wave rise time 1µs approx. Sine wave distortion 1% on all ranges
- Digital LED display
- Low impedance output x watts: perfect for driving vibration generators or loudspeakers
- High impedance output: can be attenuated by a factor of 10 or 100
- Built-in loudspeaker (can be switched off)
- Internal short circuit protection
- Amplitude and frequency modulation options
- Input impedance: 1MW frequency response 1Hz to 100kHz, -3dB
- Output power: 4W into 4W load

Code	Description	Pack	Price
PY5018	Advanced signal generator	Each	£270.43
PY5019	Audio input adapter and lead	Each	£12.75

2 lascells® 1 YEAR



2. Lascells Digital Signal Generator

Key features:

- Ultra simplicity with only five controls
- Continuous frequency control from 0.1Hz to 100kHz. This means a full sweep through the audio band with no decade switch to contend with
- Precision waveforms, sine, square and triangle
- High power amplified output for speakers and transducers
- Precision frequency and amplitude display
- High resolution control with fast change selectors. Step resolution 0.1 to 1% of indicated frequency
- 4mm output connections

Specification:

- Input: 100–240V 50/60Hz mains plug-top adaptor providing 24V DC
- Frequency range: 0.1Hz to 100kHz continuous sweep
- Freq. control resolution: between 0.1 and 0.5% of the indicated value
- Output 1: 24V Pk to Pk into 600Ω for electronics
- Output 2: 10V Pk to Pk into 8Ω for transducers amplitude control resolution 0.1V
- Waveforms: sine, square and triangle

Code	Pack	Price
PY3088	Each	£273.00

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Good prices and speed of delivery.

– Steve, Ibstock Place School

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