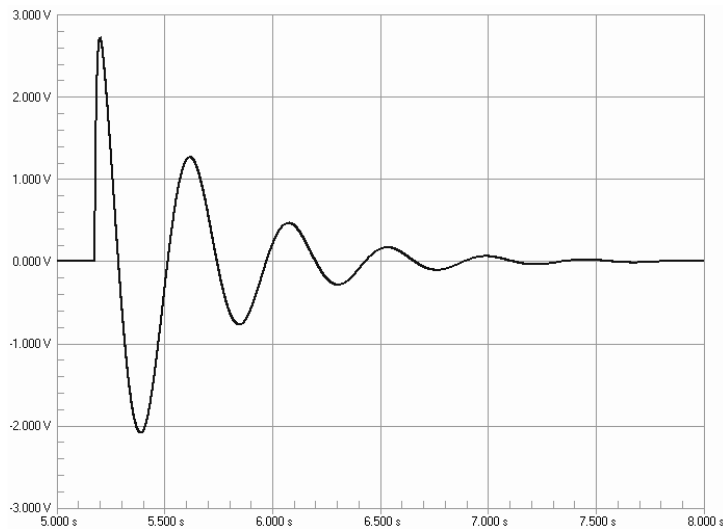


# AS10 Accelerometer Simulator

The AS10 accelerometer simulator is a multi-channel, electronic impulse generator designed to simulate constant current, two-wire accelerometers. The AS10 is a low-power, stand-alone device and does not require batteries, since the unit is powered directly by the constant current signal from the recorder.

The AS10 begins generating a continuous train of exponentially decaying impulses as soon as it is connected to an appropriate recorder.

Since the AS10 accelerometer simulator provides a consistent, repeatable signal over a maximum of three channels, it is ideal for troubleshooting or for use as a reference source.



**Figure 2.** A typical impulse generated by the AS10

## Technical Specifications:

- Open circuit voltage: 12 to 30V DC
- Output bias voltage: 9 to 11V DC
- Minimum current required: 4mA
- Dimensions: 40mm x 40mm x 20mm
- Weight: 50grams
- Environmental rating: IP54
- Enclosure: Black ABS plastic



**Figure 1.** A three channel AS10 simulator

The AS10 is available in either a single channel, or a three channel version. The three channel version is ideal for simulating tri-axial accelerometers, and the amplitude, frequency and phase of each waveform is perfectly synchronized.

The impulse parameters may be customized during manufacture to suit individual requirements. Please refer to the examples shown on the web page.

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