

# HS-530 Series

## Triple Output Vibration Module



### Features

- RMS Velocity Output
- Enveloped 'g' Output
- 0-10 V Outputs for PLCs
- Buffered Acceleration Output (for Data Collection)
- DIN Rail Mounted

### Technical Performance

|                       |   |
|-----------------------|---|
| Input                 | 100 mV/g constant current accelerometer (other sensitivities available)     |
| Frequency Range       | 2 Hz to 15 kHz (-3dB)<br>Filters - two pole Butterworth type 12 dB/octave   |
| Input Frequency Range | 3 kHz - 6 kHz (others available)<br>Enveloped Frequency range 10 Hz - 1 kHz |

### Electrical

|                 |  |
|-----------------|--|
| Power Input     | +24 V DC at 15 mA (HS-570 Power Supply Module)   |
| Output 1        | 0-10 V DC proportional to RMS velocity<br>Range 0-20 mm/sec (others available)   |
| Output 2        | 0-10 V DC proportional to Enveloped 'g'<br>Range 0-10 g (others available)   |
| Output 3        | AC 'g' Output - 100 mV/g (Sensor dependant)<br>Frequency Response 2 Hz - 10 kHz (-3dB)<br>via BNC connector on front panel |
| Output 4        | AC Output enveloped 'g' - 100 mV/g   |
| Transducer 'OK' | LED indicator (Output zero if in fault)  |

### Environmental

|                                |                 |
|--------------------------------|-----------------|
| Operating Temperature Range    | 0 to 55 °C      |
| Emmission                      | EN6100-6-4:2001 |
| Immunity                       | EN6100-6-2:1999 |
| Installation Category (IEC664) | II              |
| Equipment Class (IEC536)       | III             |

### Mechanical

|                |                              |
|----------------|------------------------------|
| Case Material  | Plastic                      |
| Mounting       | DIN Rail TS35 (Top Hat)      |
| Dimensions     | 114.5 x 99 x 22.5 mm (HxDxW) |
| Connections    | Screw Clamp                  |
| Conductor Size | 0.5 to 4.0 mm                |
| Weight         | 140 gms (nom)                |