

Vibration Sensor X185CQ20

NEPEAN Power is a proven leader in the supply and manufacture of quality engineered solutions, products and technologies. Established in 1994, through the commitment of our dedicated team we have become a supplier of choice.

General purpose, top-entry velocity transducer with DC output. Made from robust stainless steel throughout for continuous vibration monitoring in harsh environments. Sealed to IP67 with industry standard two-wire 4-20mA output proportional to sensor range that can connect directly to PLC, DCS and other industrial controllers. Includes integral stainless overbraided ETFE cable and is available with a wide range of mountings.

Applications

- Air handling units
- Building services
- Fans

Specifications

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|--------------------------------|---|
| Output current | 4-20mA DC proportional to rms velocity (mm/s) |
| Supply voltage | 12-32V DC (4-20mA) |
| Frequency response | 2Hz to 1kHz $\pm 10\%$ |
| Mounted base resonance | 5kHz (nominal) |
| Isolation | Base isolated |
| Dynamic range | 50g peak |
| Transverse sensitivity | Less than 5% |
| Operating temperature | -25 to 90°C |
| Temperature sensitivity | 0.08%/°C |
| Case material | Stainless steel |
| Cable | Integral stainless steel overbraided ETFE |
| Standard cable length | 5m |
| Maximum cable length | 100m |
| Mounting torque | 8Nm |
| Weight | 150g (nominal) |
| Sealing | IP67 |

