Key Features
- For use with PLC/DCS systems
- Customisable features

Industries
Building services, Pulp and Paper, Mining, Metals, Utilities, Automotive, Water, Pharmaceutical

Technical Performance
- Mounted Base Resonance: see ‘How To Order’ table ±10%
- Velocity Ranges: 5kHz min
- Nominal 80Hz at 22°C
- Frequency Response: 10Hz (600cpm) to 1kHz (60kcpm) ± 5% - ISO10816
- Isolation: Base isolated
- Range: 50g peak
- Transverse Sensitivity: Less than 5%

Mechanical
- Case Material: Stainless Steel
- Sensing Element/Construction: PZT/Compression
- Mounting Torque: 8Nm
- Weight: 150gms (nominal)
- Screened Cable Assembly: see: www.hansfordsensors.com for options
- Connector: HS-AA004 - non-booted
- HS-AA053 or HS-0054 - booted

Environmental
- Operating Temperature Range: -25 to 90°C
- Sealing: IP68
- Maximum Shock: 5000g
- EMC: EN61326-1:2013

Electrical
- Current Output: 4-20mA DC proportional to Velocity Range
- Supply Voltage: 15-30 Volts DC (for 4-20mA)
- Settling Time: 2 seconds
- Output Impedance: Loop Resistance 600 Ohms max. at 24 Volts
- Case Isolation: >10^8 Ohms at 500 Volts

Applications
- Fans, Motors, Pumps, Compressors, Centrifuges, Conveyors, Air Handers, Gearboxes, Rolls, Dryers, Presses,
- Cooling, VAC, Spindles, Machine Tooling, Process Equipment
- Vibration sensor should be firmly fixed to a flat surface (spot face surface may be needed to be produced and cable anchored to sensor body.)

Typical Frequency Response

How To Order
- Product Prefix: HS - MEC Sensors
- Product Series: 420 - Industrial Vibration Sensor
- Cable Length (if integral cable): QXX - length specified in metres
- Extra Options (if required):
  - F: Filtered
  - I: Intrinsically Safe
  - L: 316L Stainless Steel
  - S: 90° Side Exit
  - T: Temperature Output
- P: Peak Range
- PP: Peak to Peak Range
- Velocity Range: 010 - 0-10 mm/sec
- 020 - 0-20 mm/sec
- 025 - 0-25 mm/sec
- 050 - 0-50 mm/sec
- 100 - 0-100 mm/sec
- Cable/Connector:
  - 01 - PUR
  - 02 - Braided
  - 07 - Silicon
  - 08 - Flame Retardant
  - 50 - 2 Pin MS
  - 54 - M12
- Mounting Threads:
  - 01 - ¼-28" UNF Female
  - 02 - ¼-28" UNF Male
  - 05 - Quick Fit Female
  - 08 - M8 x 1mm Male
  - 08 - M8 x 1.25mm Male
  - 10 - M10 x 1.5mm Male

Machine Electrical Components CC
Physical Address: 7 Owen Road, Illiondale, Edenvale, 1609
Tel: +21 (011) 609 5213
Fax: +27 672 2595
www.meconline.co.za