

Miniature size  
Tri-axial accelerometer NP-3564N10



### Product description

Universal and reliable machine and plant monitoring and vibration analysis with seismic vibration measurement technology (acceleration) on rotating or moving machines.

### Applications

- Fans / Cooling tower
- Drives
- Large pumps
- Compressors
- Motors
- Automotive

### Benefits

- Compact, highly accurate, robust and very light tri-axial acceleration sensor for machine and plant monitoring and in engineering.

Features

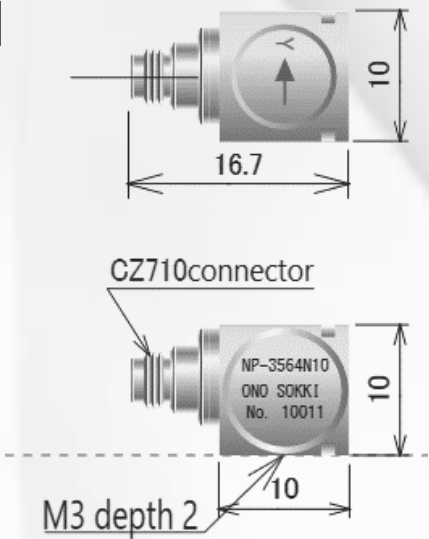
- High-precision tri-axial accelerometer
- TEDS\* compatible (IEEE1451.4-2004)
- Integrated preamplifier
- Compact, easy to mount
- Ultra-light with 4.4 g
- Wide dynamic measuring range
- A high resonance frequency extends the the measurable frequency range

Technical data



Characteristics	Technical values
Acceleration sensor	Tri-axial, Sheartype
Frequency range	0,5 Hz ...10 kHz (±3dB) (X, Y) 0,5 Hz...18 kHz (±3dB) (Z)
Sensitivity	10 mV/ (m/s²) ±10 %
Resonant frequency	55 kHz
Acceleration (max.)	450 m/s²
Shock (max)	30000 m/s²
Noise	≤ 40 µVrms
Voltage	21,0 – 30,0 VDC (constant current)
Output impedance	< 500 Ω
Housing material	Titanium
Temperature range (operation)	-50°C ...+110°C
(TEDS communication)	-40°C ...+85°C
Connector	CZ710
Mounting	Bonding, clip or M3 internal thread
Weight	4,4 g

Drawings



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