

Accelerometer KS901MF

for Vibration Analysis



Accelerometer KS901MF

The lightweight uniaxial piezoelectric accelerometer has been designed for analyzing the vibrations of devices with slight to medium excursions. With a weight of 24 g it is mounted to the device under test (DUT) via the built-in magnet.

Properties

- Uniaxial precision accelerometer with compression ceramic
- Vibration analysis over a wide amplitude & frequency range
- ICP® output allows long cables under harsh EMI conditions
- Sturdy stainless steel housing
- Mounting via build-in magnet

Specifications

Design	Piezo compression ceramic
Power supply	ICP®, 2 to 20 mA
Sensitivity	typ. 100 mV/g, 10.19 mV/(m/s ²) ±20% @ 80 Hz
Linear frequency range	±30% from 0.2 Hz to 10 kHz ±10% from 0.4 Hz to 6 kHz ±5% from 0.6 Hz to 3 kHz
Measurement range	±60 g
Residual noise	0.4 µg
Mounting	built-in magnet head, magnet force 45 N
Case	D x L = 12 x 39 mm, stainless steel
Weight (sensor only)	24 g (0.85 oz)
Cable, connector	L = 3 m (attached), BNC
Protection grade	IP60
Temperature range	-10 to +100 °C (14 to 212 °F)
Order information	<ul style="list-style-type: none"> • Accelerometer KS901MF NTi Audio # 600 010 347 • ICP® Adapter ASD for operation with XL2 NTi Audio # 600 010 223

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