BENTLY NEVADA VIBRATION SENSOR

Product Data Sheet

AM3100T2-Z2-00

Industrial IEPE accelerometer

NOMINAL SENSITIVITY	MEASUREMENT RANGE	AMPLITUDE NONLINEARITY	FREQUENCY RESPONSE
100 mV/g +/-5%	**80 g peak**	**1%**	**0.4 to 14000 Hz at +/-3 dB**

Bently Nevada AM3100T2-Z2-00 is a Industrial IEPE accelerometer in the Bently Nevada vibration sensor. The complete order code identifies 100 mV/g sensitivity, 80 g peak range and 1/4-28 mounting.

01 VERIFIED TECHNICAL DATA

Nominal sensitivity	100 mV/g +/-5%
Measurement range	80 g peak
Amplitude nonlinearity	1%
Frequency response	0.4 to 14000 Hz at +/-3 dB
Resonant frequency	30 kHz
Transverse sensitivity	5% maximum
Supply voltage	18 to 30 V DC
Constant current	2 to 10 mA
Operating temperature	-55 to +120 deg C
Housing material	316L stainless steel

Values follow the applicable manufacturer documents identified on page 2.

02 ADDITIONAL PRODUCT DATA

Environmental seal	Hermetic
Electrical isolation	Case isolated
Mounting thread	1/4-28
Connector arrangement	Top exit, 2-pin MIL-C-5015 style
Base model	AM3100T2-Z2

03 DOCUMENTED USE SETTINGS

Thermal Electricity and Hydroelectric Power Generation: Combined-Cycle Electricity Generation.

Petroleum Production and Natural Gas Transmission: Upstream Petroleum Production.

Metal Processing and Mineral Resource Production: Ferrous and Nonferrous Metals.

04 SYSTEM COMPATIBILITY

Integrate AM3100T2-Z2-00 only within the compatible Bently Nevada vibration sensor. The complete code must agree with the mating sensor chain, mounting arrangement and signal-conditioning hardware.

05 PRODUCT EVIDENCE

Bently Nevada official manufacturer document for Bently Nevada vibration sensor

AMIKON PRODUCT SUPPORT

+86-18020776786 INFO@AMIKON.CN **AMIKONG.COM**