

BENTLY NEVADA CASING VIBRATION MEASUREMENT SYSTEMS

Product Data Sheet

190501-09-99-01

Velomitor CT velocity transducer

FUNCTION	FAMILY	ORIGIN	WEIGHT
Velomitor CT velocity transducer	Bently Nevada casing vibration measure	United States	0.25 kg

190501 Velomitor CT Transducer 190501-09-99-01 is a Velomitor CT velocity transducer for the Bently Nevada casing vibration measurement systems. The values below are limited to the exact documented article.

01

VERIFIED TECHNICAL DATA

Mounting Hardware	3/8-24 to 1/4-in NPT plate stud
Cable Length Option	99 ft maximum
Approval Option	Agency approval code 01
Sensitivity	3.94 mV/mm/s $\pm 5\%$
Frequency Response	3 to 900 Hz ± 1 dB
Velocity Range	63.5 mm/s peak
Transverse Response	Less than 5%
Amplitude Linearity	$\pm 2\%$
Output Bias Voltage	10.1 V DC ± 1.0 V
Dynamic Output Impedance	Less than 400 ohm

ADDITIONAL PRODUCT DATA

Operating Temperature	-40 to +85 °C
Shock Limit	5000 g peak
Humidity Limit	100% condensing, non-submerged

OFFICIAL APPLICATIONS

- Dryer rolls and stock preparation drives: Dryer roll bearing vibration measurement; Refiner drive shaft position tracking
- High-lift pumps and aeration blower trains: High-lift pump bearing vibration sensing; Aeration blower shaft condition measurement
- Propulsion shafts and auxiliary compressor trains: Propulsion bearing vibration measurement; Auxiliary compressor shaft position tracking

SYSTEM COMPATIBILITY

Match 190501-09-99-01 to the installed Bently Nevada casing vibration measurement systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Bently Nevada official manufacturer documentation](#)

<https://dam.bakerhughes.com/m/7fd1c31f3265f0a6/original/190501-Velomitor-CT-Transducer-Datasheet-141636-pdf.pdf>

AMIKON PRODUCT SUPPORT

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