

APTER POWER

COMPLETE PRODUCT INFORMATION

330750-80-05

330750 High Temperature Velomitor System

Bently Nevada 330750-80-05 is an 8.0 m High Temperature Velomitor system with multiple approvals for casing-vibration measurement at sensing locations up to +400 C.

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

Bently Nevada 330750 High

PART

330750-80-05

ORIGIN / HS

USA / 8537101190

APTER POWER

WHATSAPP / PHONE

+86 180 3023 5313

SHIP FROM

Xiamen, Fujian, China



PRODUCT OVERVIEW

Bently Nevada 330750-80-05 is an 8.0 m High Temperature Velomitor system with multiple approvals for casing-vibration measurement at sensing locations up to +400 C.

- 

Uses an 8.0 m integral hardline cable
- 

Supports sensing locations up to +400 C
- 

Provides nominal 145 mV/in/s velocity sensitivity
- 

Carries multiple approval option 05

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximator Sensor	AISI 4140 target

ENGINEERING CONTEXT

The product performs high-temperature casing velocity measurement in the documented compatible velocity-monitor channel with separated HTVS electronics. Installation and commissioning must preserve the exact identity, interfaces and approved configuration.

TECHNICAL DATA

PARAMETER	VALUE
System	330750 High Temperature Velomitor
Cable code 80	8.0 m integral hardline cable
Approval code 05	Multiple approvals
Sensitivity	5.7 mV/mm/s (145 mV/in/s), +/-5%
Frequency response	15-2000 Hz +/-3 dB; 20-1000 Hz +/-0.9 dB
Sensing head and cable	-55 to +400 C

PARAMETER	VALUE
Electronics	-55 to +121 C
Minimum bend radius	51 mm
Maximum field cable	305 m
Grounding	Case isolated
Country of origin	USA
HS code	8537101190

TECHNICAL NOTE

Confirm 330750-80-05, compatible velocity-monitor channel with separated HTVS electronics, four-hole flange, 8.0 m hardline cable, electronics, polarity and shield, installed position, polarity, shielding, grounding, configuration, diagnostics and controlled functional-test evidence before commissioning.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Hot casing vibration

Measures machine-casing velocity at high temperature.

Steam-turbine monitoring

Separates the sensing head from cooler electronics.

Gas-turbine auxiliaries

Routes the hardline cable away from the hot surface.

HTVS replacement

Preserves flange, cable, polarity and channel match.

PRODUCT PRECAUTIONS

1

Confirm the complete 330750-80-05 marking and controlled maintenance record before work.

2

Place the compatible velocity-monitor channel with separated HTVS electronics and associated machine or

3

Isolate the documented power, signal and protection circuits before disconnecting 330750-80-05.

4

Record the installed position, four-hole flange, 8.0 m hardline cable, electronics, polarity and shield, polarity,

5

Protect connectors, terminals, cable routing and mounting surfaces from damage or contamination.

6

Restore the exact compatible velocity-monitor channel with separated HTVS electronics configuration, channel

7

Review live diagnostics, bias or channel status after controlled energization.

8

Verify the intended high-temperature casing velocity measurement response and retain acceptance

ENGINEER FAQ

Q1 How is the exact 330750-80-05 execution identified?

Match the complete 330750-80-05 marking, manufacturer record and installed-position record; do not substitute by appearance.

Q2 What documented role does 330750-80-05 perform?

It performs high-temperature casing velocity measurement in the documented compatible velocity-monitor channel with separated HTVS electronics.

Q3 Which host must be matched before fitting 330750-80-05?

Match the exact compatible velocity-monitor channel with separated HTVS electronics, channel, rack or transducer-system position shown in the controlled site record.

Q4 Which interfaces must be recorded for 330750-80-05?

Record four-hole flange, 8.0 m hardline cable, electronics, polarity and shield, together with mounting, polarity, shielding, grounding and cable routing.

Q5 What isolation controls apply to 330750-80-05?

Isolate the documented power, signal and protection circuits before disconnecting 330750-80-05.

Q6 What must be restored after installing 330750-80-05?

Restore the exact compatible velocity-monitor channel with separated HTVS electronics configuration, channel assignments and mechanical arrangement.

Q7 What proves 330750-80-05 is ready for service?

Retain diagnostics and a controlled high-temperature casing velocity measurement response test with alarms or interlocks where applicable.

Q8 Which manufacturer record supports the 330750-80-05 page?

330750 and 330752 High Temperature Velomitor System Datasheet, Bently Nevada publication 141639 Rev. V.

RELATED APTER POWER PAGES

330730-080-13-05	330180-X1-05-MOD-161255-02	330180-X1-05-MOD-145004-66	330801-28-04-105-00-02
330880-28-15-106-00-02	330101-20-45-05-02-05	330904-08-15-10-02-CN	330880-28-45-020-03-02

SOURCE 330750 and 330752 High Temperature Velomitor System Datasheet | Bently Nevada publication 141639 Rev. V

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