

330750-80-05

330750 High Temperature Velomitor System

CONTROLLED ENGINEERING COPY

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.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	330750-80-05
Manufacturer	Bently Nevada
System family	Bently Nevada 330750 High Temperature Velomitor system
HS code	8537101190
Shipping origin	Xiamen, Fujian, China



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01 PRE-INSTALLATION PLAN

- 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 process in the approved maintenance state.
- 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, shielding and grounding.
- 5

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

MATCHED HARDWARE

- 330750-80-05 with complete identity
- compatible velocity-monitor channel with separated HTVS electronics
- four-hole flange, 8.0 m hardline cable, electronics, polarity and shield
- Controlled commissioning and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	330750-80-05 recorded
Physical interface	Probe, cable and sensor matched
Functional proof	Static gap and dynamic response

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED 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
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

FIELD 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.

RELATED APTER POWER PAGES

330905-00-18-05-02-CN	330103-00-06-05-01-CN	330903-03-11-05-02-05	330102-00-40-10-01-05
330104-01-04-15-02-05	330101-00-52-05-01-05	146054-08-05-02-05	146054-12-05-02-05

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	330750-80-05
Physical interface	four-hole flange, 8.0 m hardline cable, electronics, polarity and shield matched
Configuration	Exact installed configuration and channel assignments restored
Functional proof	Controlled high-temperature casing velocity measurement response recorded

04 RETURN-TO-SERVICE RECORD

- ☐ Protect connectors, terminals, cable routing and mounting surfaces from damage or contamination.
- ☐ Restore the exact compatible velocity-monitor channel with separated HTVS electronics configuration, channel assignments and mechanical arrangement.
- ☐ Review live diagnostics, bias or channel status after controlled energization.
- ☐ Verify the intended high-temperature casing velocity measurement response and retain acceptance evidence before release.

VERIFICATION RECORD

PRODUCT IDENTITY	330750-80-05
INSTALLED POSITION	Documented compatible velocity-monitor channel with separated HTVS electronics position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐ Confirm the exact model remains assigned to the documented host position.
- ☐ Verify every mating interface and field connection against the as-found record.
- ☐ Exercise the intended product function under controlled conditions.
- ☐ Retain the diagnostic and functional-test result before release.

SOURCE IDENTIFIERS

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