

INDUSTRIAL AUTOMATION PRODUCT

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.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada 330750 High Temperature Velomitor system
Part number	330750-80-05
Origin / HS	USA / 8537101190
Shipping origin	Xiamen, Fujian, China

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING 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.

System Role and Architecture

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.

FUNCTION 1
Uses an 8.0 m integral hardline cable

FUNCTION 2
Supports sensing locations up to +400 C

FUNCTION 3
Provides nominal 145 mV/in/s velocity sensitivity

FUNCTION 4
Carries multiple approval option 05

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	Bently Nevada 330750 High Temperature Velomitor system
02	compatible velocity-monitor channel with separated HTVS electronics
03	four-hole flange, 8.0 m hardline cable, electronics, polarity and shield
04	Approved wiring, shielding and grounding arrangement

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Bently Nevada 330750 High Temperature Velomitor system
Interface role	high-temperature casing velocity measurement
Field / power context	compatible velocity-monitor channel with separated HTVS electronics
Commissioning evidence	Identity, gap, polarity, response and alarm diagnostics recorded

INSTALLATION AND CONNECTION CHECKS

- 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
- 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.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
System	330750 High Temperature Velomitor	Electronics	-55 to +121 C
Cable code 80	8.0 m integral hardline cable	Minimum bend radius	51 mm
Approval code 05	Multiple approvals	Maximum field cable	305 m
Sensitivity	5.7 mV/mm/s (145 mV/in/s), +/-5%	Grounding	Case isolated
Frequency response	15-2000 Hz +/-3 dB; 20-1000 Hz +/-0.9 dB	Country of origin	USA
Sensing head and cable	-55 to +400 C	HS code	8537101190

ENGINEERING BOUNDARY

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.

PRE-INSTALLATION CHECKS

- 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
- 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.

Applications and Engineering Context

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.

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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	330750-80-05 recorded
Host / carrier	Bently Nevada 330750 High Temperature Velomitor system
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

IMPORTANT NOTICE

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

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER	
01	Bently Nevada 330171-00-08-10-02-05
02	Bently Nevada 330881-28-00-061-03-02
03	Bently Nevada 330103-00-03-15-01-CN
04	Bently Nevada 330851-02-000-070-10-00-05
05	Bently Nevada 129715-138-040-05-CN
06	Bently Nevada 129715-138-40-05-05
07	Bently Nevada 330901-00-08-05-11-05
08	Bently Nevada 9571-66

Navigation links only - not manufacturer evidence for technical parameters.

MANUFACTURER SOURCE RECORD

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

APTER POWER SALES TEAM

WHATSAPP / PHONE

EMAIL

WEBSITE

+86 180 3023 5313

sales13@apterpower.com

www.apterpower.com

