

INDUSTRIAL AUTOMATION PRODUCT

330750-60-CN

330750 High Temperature Velomitor System, 6 m

Bently Nevada 330750-60-CN identifies a 330750 high-temperature Velomitor system with code 60 for a 6 m integral hardline cable. The CN suffix must be confirmed from the supplied item marking because the current public ordering table lists approval codes 00 and 05.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada 330750 High Temperature Velomitor System
Part number	330750-60-CN
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 330750-60-CN on the supplied label, the 330750 four-hole flange and the 6 m integral cable. Keep the electronics in its cooler permitted environment, maintain the 51 mm minimum bend radius, use the documented two-conductor shielded cable path and verify

System Role and Architecture

Bently Nevada 330750-60-CN identifies a 330750 high-temperature Velomitor system with code 60 for a 6 m integral hardline cable. The CN suffix must be confirmed from the supplied item marking because the current public ordering table lists approval codes 00 and 05.

FUNCTION 1
Uses code 60 for a 6 m integral hardline cable

FUNCTION 2
Separates the high-temperature sensing head from cooler electronics

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

FUNCTION 4
Uses a four-hole flange associated with the 330750 system

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	Bently Nevada 330750 High Temperature Velomitor System
02	6 m integral high-temperature hardline cable
03	Separated signal-conditioning electronics and compatible monitor input
04	Two-conductor shielded field cable and documented alarm channel

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Bently Nevada 330750 High Temperature Velomitor System
Interface role	High-temperature casing-velocity measurement with separated electronics
Field / power context	6 m integral hardline cable; two-conductor shielded monitor wiring
Commissioning evidence	Identity, gap, polarity, response and alarm diagnostics recorded

INSTALLATION AND CONNECTION CHECKS

- 1

Confirm the complete 330750-60-CN label and supplied approval marking.
- 2

Place the machine and protection channel in the approved maintenance state.
- 3

Isolate the monitor circuit and record bias, polarity, alarm settings and baseline response.
- 4

Confirm the 330750 four-hole flange, 6 m integral cable and electronics location.

Technical Specifications

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

PARAMETER	VALUE	PARAMETER	VALUE
Product family	330750 High Temperature Velomitor	Grounding	Case isolated
Length code 60	6 m integral hardline cable	Maximum cable length	305 m with no signal degradation
Approval suffix	CN - verify supplied marking	Sensor and cable temperature	-55 to +400 C
Mounting form	330750 four-hole flange	Electronics temperature	-55 to +121 C
Sensitivity	5.7 mV/mm/s (145 mV/in/s), +/-5%	Minimum bend radius	51 mm
Frequency response	15-2000 Hz +/-3 dB; 20-1000 Hz +/-0.9 dB	Case	300 series stainless steel
Amplitude range	635 mm/s peak below 680 Hz	Connector	2-pin Mil-C-5015, 304 stainless shell
Output bias	-12 +/-2.0 VDC	Typical weight for 6 m	953 g

ENGINEERING BOUNDARY

Confirm 330750-60-CN on the supplied item, the CN approval marking, 330750 flange, 6 m integral cable, sensor/electronics temperature zones, 51 mm bend radius, polarity, grounding, monitor input, bias and controlled vibration-test evidence before commissioning.

PRE-INSTALLATION CHECKS

- 1

Confirm the complete 330750-60-CN label and supplied approval marking.
- 2

Place the machine and protection channel in the approved maintenance state.
- 3

Isolate the monitor circuit and record bias, polarity, alarm settings and baseline response.
- 4

Confirm the 330750 four-hole flange, 6 m integral cable and electronics location.

Applications and Engineering Context

Hot casing vibration monitoring

Measures bearing or machine-casing velocity at elevated sensing-point temperature.

Steam-turbine casing monitoring

Supports documented velocity monitoring where the electronics remain in a cooler location.

Gas-turbine auxiliary monitoring

Routes the six-metre integral lead away from the hot mounting surface.

High-temperature spare replacement

Preserves flange, cable length, polarity and monitor-channel matching.

TECHNICAL NOTE

Confirm 330750-60-CN on the supplied label, the 330750 four-hole flange and the 6 m integral cable. Keep the electronics in its cooler permitted environment, maintain the 51 mm minimum bend radius, use the documented two-conductor shielded cable path and verify bias, polarity and velocity response before release.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	330750-60-CN recorded
Host / carrier	Bently Nevada 330750 High Temperature Velomitor System
Physical interface	330750 flange, 6 m cable and monitor input matched
Configuration	Bias, polarity, shielding and alarm settings restored
Functional proof	Controlled velocity response and alarm test recorded

IMPORTANT NOTICE

Confirm 330750-60-CN on the supplied item, the CN approval marking, 330750 flange, 6 m integral cable, sensor/electronics temperature zones, 51 mm bend radius, polarity, grounding, monitor input, bias and controlled vibration-test evidence before

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	3300 XL 8 mm extension cable
02	3500/25 Keyphasor module
03	3500/40M proximity monitor
04	3500/45 position monitor
05	330750/330752 High Temperature Velomitor family
06	330500 standard Velomitor sensor
07	3500/42M seismic monitor
08	1900/65A general purpose equipment monitor

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

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