

APTER POWER

COMPLETE PRODUCT INFORMATION

330750-60-CN

330750 High Temperature Velomitor System, 6 m

Six-metre high-temperature machinery casing velocity measurement path.

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

330750 HT Velomitor

PART

330750-60-CN

ORIGIN / HS

USA / 8537101190

APTER POWER

WHATSAPP / PHONE

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SHIP FROM

Xiamen, Fujian, China



PRODUCT OVERVIEW

330750-60-CN provides a six-metre high-temperature velocity-sensing path for machinery casing vibration where the sensor head and integral cable can face elevated temperature.



Uses code 60 for a 6 m integral hardline cable



Separates the high-temperature sensing head from cooler electronics



Provides nominal 145 mV/in/s velocity sensitivity



Uses a four-hole flange associated with the 330750 system

SYSTEM COMPONENTS

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

ENGINEERING CONTEXT

The sensing element is separated from the signal-conditioning electronics by the integral hardline cable. The exact CN marking, mounting flange, temperature zones, polarity and monitor input must be verified against the supplied item and plant records.

TECHNICAL DATA

PARAMETER	VALUE
Product family	330750 High Temperature Velomitor
Length code 60	6 m integral hardline cable
Approval suffix	CN - verify supplied marking
Mounting form	330750 four-hole flange
Sensitivity	5.7 mV/mm/s (145 mV/in/s), +/-5%
Frequency response	15-2000 Hz +/-3 dB; 20-1000 Hz +/-0.9 dB
Amplitude range	635 mm/s peak below 680 Hz
Output bias	-12 +/-2.0 VDC

PARAMETER	VALUE
Grounding	Case isolated
Maximum cable length	305 m with no signal degradation
Sensor and cable temperature	-55 to +400 C
Electronics temperature	-55 to +121 C
Minimum bend radius	51 mm
Case	300 series stainless steel
Connector	2-pin Mil-C-5015, 304 stainless shell
Typical weight for 6 m	953 g

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.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

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.

PRODUCT PRECAUTIONS

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.

5

Protect the hardline cable and maintain at least the 51 mm minimum bend radius.

6

Use the documented two-conductor shielded cable and compatible monitor input.

7

Review live bias and diagnostics after controlled energization.

8

Apply a controlled vibration response and verify alarms before release.

ENGINEER FAQ

Q1 How is the exact 330750-60-CN execution identified? Confirm the full label, code 60, CN suffix and four-hole 330750 flange.	Q2 What documented role does 330750-60-CN perform? It provides high-temperature velocity measurement with a separated sensing head and electronics.
Q3 Which installed host must be matched before fitting 330750-60-CN? Match the monitor input, cable path, temperature zones and the documented machine-casing location.	Q4 Which physical interfaces must be recorded for 330750-60-CN? Record the flange, 6 m integral lead, connector, polarity, shield, bias and monitor terminals.
Q5 What isolation or handling controls apply to 330750-60-CN? Isolate the monitor channel, protect the integral cable and maintain the 51 mm bend radius.	Q6 What must be restored after installing 330750-60-CN? Restore polarity, shielding, alarm settings, mounting and the cooler electronics location.
Q7 What evidence confirms 330750-60-CN is ready for service? Retain live bias, controlled vibration response and alarm-test results.	Q8 Which manufacturer record supports the 330750-60-CN page? Bently Nevada publication 141639 Rev. V supports the 330750 system data; CN remains subject to supplied-item marking verification.

RELATED APTER POWER PAGES

330750/330752 High Temperature Velomitor System Datasheet	330500 standard Velomitor sensor	3500/42M seismic monitor	1900/65A general purpose equipment
3300 XL 8 mm extension cable	3500/25 Keyphasor module	3500/40M proximity monitor	3500/45 position monitor

SOURCE

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

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