APTER POWER

COMPLETE PRODUCT INFORMATION

190501-12-00-01

Velomitor CT Cooling Tower Transducer

Bently Nevada 190501-12-00-01 is a Velomitor CT transducer with the code 12 plate-stud execution, MIL-C-5015 connection and agency approval option 01 for low-frequency cooling-tower and air-cooled

PRODUCT SNAPSHOT

BRAND Bently Nevada	FAMILY Bently Nevada 190501 Velomitor CT
PART 190501-12-00-01	ORIGIN / HS USA / 8537101190

APTER POWER

WHATSAPP / PHONE

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SHIP FROM

Xiamen, Fujian, China

PRODUCT OVERVIEW

Bently Nevada 190501-12-00-01 is a Velomitor CT transducer with the code 12 plate-stud execution, MIL-C-5015 connection and agency approval option 01 for low-frequency cooling-tower and air-cooled

- Targets low-frequency fan and cooling-tower vibration
- Uses the code 12 M8 x 1 plate-stud execution
- Uses a MIL-C-5015 connector interface
- Carries the documented approval option 01

SYSTEM COMPONENTS

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

ENGINEERING CONTEXT

The product performs low-frequency casing velocity measurement in the documented cooling-tower or air-cooled heat-exchanger fan monitoring channel. Installation and commissioning must preserve the exact identity, interfaces and approved configuration.

TECHNICAL DATA

PARAMETER	VALUE
Ordering family	190501 Velomitor CT
Mounting code 12	Plate stud, 3/8-24 to M8 x 1
Connection code 00	MIL-C-5015 connector interface
Approval code 01	Agency-approved execution

PARAMETER	VALUE
Typical machinery speed	100 to 300 rpm; suitable from 90 rpm
Country of origin	USA
HS code	8537101190

TECHNICAL NOTE

Confirm 190501-12-00-01, cooling-tower or air-cooled heat-exchanger fan monitoring channel, plate stud, MIL-C-5015 connector and shielded signal cable, installed position, polarity, shielding, grounding, configuration, diagnostics and controlled functional-test evidence before commissioning.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Cooling-tower fan monitoring

Measures casing velocity on low-speed cooling-tower fan assemblies.

Air-cooled heat-exchanger fans

Monitors low-frequency bearing-housing vibration.

Low-speed balance verification

Supports controlled fan response and trend checks.

Sensor replacement

Preserves mounting, connector and channel identity.

PRODUCT PRECAUTIONS

1. Confirm the complete 190501-12-00-01 marking and controlled maintenance record before work.
2. Place the cooling-tower or air-cooled heat-exchanger fan monitoring channel and associated machine or
3. Isolate the documented power, signal and protection circuits before disconnecting 190501-12-00-01.
4. Record the installed position, plate stud, MIL-C-5015 connector and shielded signal cable, polarity, shielding
5. Protect connectors, terminals, cable routing and mounting surfaces from damage or contamination.
6. Restore the exact cooling-tower or air-cooled heat-exchanger fan monitoring channel configuration,
7. Review live diagnostics, bias, trip or channel status after controlled energization.
8. Verify the intended low-frequency casing velocity measurement response and retain acceptance

ENGINEER FAQ

Q1 How is the exact 190501-12-00-01 execution identified?

Match the complete 190501-12-00-01 marking, manufacturer record and installed-position record; do not substitute by appearance.

Q2 What documented role does 190501-12-00-01 perform?

It performs low-frequency casing velocity measurement in the documented cooling-tower or air-cooled heat-exchanger fan monitoring channel.

Q3 Which host must be matched before fitting 190501-12-00-01?

Match the exact cooling-tower or air-cooled heat-exchanger fan monitoring channel, channel, rack or system position shown in the controlled site record.

Q4 Which interfaces must be recorded for 190501-12-00-01?

Record plate stud, MIL-C-5015 connector and shielded signal cable, together with mounting, polarity, shielding, grounding and cable routing.

Q5 What isolation controls apply to 190501-12-00-01?

Isolate the documented power, signal and protection circuits before disconnecting 190501-12-00-01.

Q6 What must be restored after installing 190501-12-00-01?

Restore the exact cooling-tower or air-cooled heat-exchanger fan monitoring channel configuration, channel assignments and mechanical arrangement.

Q7 What proves 190501-12-00-01 is ready for service?

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

Q8 Which manufacturer record supports the 190501-12-00-01 page?

190501 Velomitor CT Transducer Datasheet, Bently Nevada publication 141636 Rev. AF.

RELATED APTER POWER PAGES

330876-01-50-01-05 330106-05-30-10-02-IN 330180-90-CN 330106-05-30-10-02-00

330104-01-05-50-02-00 330910-00-24-10-01-CN 330909-00-25-10-02-00 330908-21-35-10-02-00

SOURCE 190501 Velomitor CT Transducer Datasheet | Bently Nevada publication 141636 Rev. AF

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