190501-12-00-01

Velomitor CT Cooling Tower Transducer

CONTROLLED ENGINEERING COPY

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 heat-exchanger fan vibration monitoring.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	190501-12-00-01
Manufacturer	Bently Nevada
System family	Bently Nevada 190501 Velomitor CT system
HS code	8537101190
Shipping origin	Xiamen, Fujian, China

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APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

01 PRE-INSTALLATION PLAN

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 process in the approved maintenance state.
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 and grounding.
5. Protect connectors, terminals, cable routing and mounting surfaces from damage or contamination.

MATCHED HARDWARE

- 190501-12-00-01 with complete identity
- cooling-tower or air-cooled heat-exchanger fan monitoring channel
- plate stud, MIL-C-5015 connector and shielded signal cable
- Controlled commissioning and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	190501-12-00-01 recorded
Physical interface	Probe, cable and sensor matched
Functional proof	Static gap and dynamic response

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED 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
Typical machinery speed	100 to 300 rpm; suitable from 90 rpm
Country of origin	USA
HS code	8537101190

FIELD 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.

RELATED APTER POWER PAGES

330980-70-05 330930-060-03-05 330180-X1-00-MOD-145004-09 330330-080-01-00

330330-070-00-00 330854-080-05 330851-02-000-080-10-00-00 330851-01-000-020-10-00-00

03 COMMISSIONING WORKFLOW

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 process in the approved maintenance state.
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 and grounding.
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, channel assignments and mechanical arrangement.

COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	190501-12-00-01
Physical interface	plate stud, MIL-C-5015 connector and shielded signal cable matched
Configuration	Exact installed configuration and assignments restored
Functional proof	Controlled low-frequency 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 cooling-tower or air-cooled heat-exchanger fan monitoring channel configuration, channel assignments and mechanical arrangement.
- [ ] Review live diagnostics, bias, trip or channel status after controlled energization.
- [ ] Verify the intended low-frequency casing velocity measurement response and retain acceptance evidence before release.

VERIFICATION RECORD

PRODUCT IDENTITY	190501-12-00-01
INSTALLED POSITION	Documented cooling-tower or air-cooled heat-exchanger fan monitoring channel 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

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