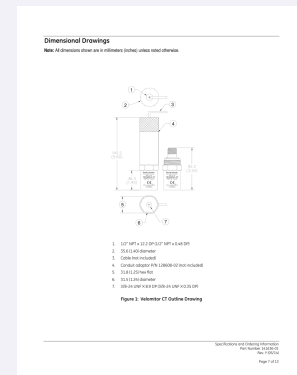


## FIELD INSTALLATION QUICK GUIDE

# Installation Instructions

Bently Nevada 190501-10-00-00

Velomitor CT Velocity Transducer



|          |                                  |
|----------|----------------------------------|
| PRODUCT  | 190501-10-00-00                  |
| FAMILY   | 190501 Velomitor CT              |
| FUNCTION | Velomitor CT Velocity Transducer |
| STATUS   | Verify exact configuration       |

Prepared by Amikon Limited from Bently Nevada 141636-01 Rev. Y (05/14). This guide does not replace the complete manufacturer manual, site procedure, hazardous-area drawing, or approval document.

## 01 CONFIRM THE ORDERED CONFIGURATION

|                          |                                             |
|--------------------------|---------------------------------------------|
| Mounting hardware option | 10: M6x1 plate stud with 3/8-in 24 adapter  |
| Connection option        | 00: MIL-C-5015 connection interface         |
| Agency approval option   | 00: No approvals                            |
| Sensitivity              | 3.94 mV/mm/s (100 mV/in/s), +/-5%           |
| Frequency response       | 3-900 Hz +/-1 dB; 1.5-1000 Hz +/-3 dB       |
| Velocity range           | 63.5 mm/s peak; high-frequency limits apply |
| Amplitude linearity      | +/-2% to 63.5 mm/s peak                     |

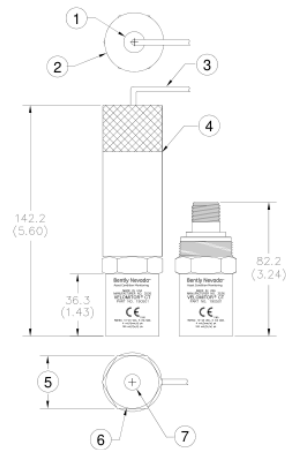
## 02 MOUNTING AND CONNECTION

- Confirm 190501-10-00-00, the M6x1 plate stud and 3/8-in 24 adapter.
- Choose a bearing-housing or casing location that transmits the vibration of interest.
- Observe the published mounting torque of 4.5 N m +/-0.6 N m.
- Use the specified MIL-C-5015 interface; Pin A is positive to Pin B for base-to-top motion.
- Code 00 has no agency approvals; do not assume hazardous-area suitability.

## MANUFACTURER DIMENSIONAL REFERENCE

### Dimensional Drawings

**Note:** All dimensions shown are in millimeters (inches) unless noted otherwise.



1. 1/2" NPT x 12.2 DP (1/2" NPT x 0.48 DP)
2. 35.6 (1.40) diameter
3. Cable (not included)
4. Conduit adaptor P/N 128608-02 (not included)
5. 31.8 (1.25) hex flat
6. 31.5 (1.24) diameter
7. 3/8-24 UNF x 8.9 DP (3/8-24 UNF x 0.35 DP)

**Figure 1: Velomitor CT Outline Drawing**

Specifications and Ordering Information  
Part Number 141636-01  
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Official manufacturer reference reproduced from Bently Nevada 141636-01 Rev. Y (05/14). Use the current source document and all referenced drawings and notes for installation.

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## CABLE ROUTING AND CONNECTION

- Choose a bearing-housing or casing location that transmits the vibration of interest.
- Observe the published mounting torque of 4.5 N m +/-0.6 N m.
- Use the specified MIL-C-5015 interface; Pin A is positive to Pin B for base-to-top motion.
- Code 00 has no agency approvals; do not assume hazardous-area suitability.
- Obtain complete manual 125389-01 for procedures not supplied in this data sheet.

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## INITIAL SYSTEM CHECKS

- Confirm model identity and compatible system components before energizing.
- This code has no agency approvals; use only in an appropriate installation.
- Verify measurement plausibility against the monitored machine vibration.
- Record the complete model and refer to manual 125389-01 for full procedures.

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## CONTROLLED DOCUMENTS

|                 |                                        |
|-----------------|----------------------------------------|
| Official source | Bently Nevada 141636-01 Rev. Y (05/14) |
| Product record  | 190501-10-00-00                        |
| Manufacturer    | Bently Nevada                          |
| Support         | INFO@AMIKON.CN                         |