

– 55 °C to + 121 °C (– 67 °F to + 250 °F).

**Shock Survivability**

5000 g peak, maximum

**Relative Humidity**

To 100% non-submerged; case is hermetically-sealed.

**Base Strain Sensitivity**

0.005 in/s/μstrain.

**Magnetic Field Susceptibility**

<51 μin/s/gauss (50 gauss, 50-60Hz).

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**Physical**

**Weight**

142 grams (5.0 oz), typical.

**Diameter**

25.3 mm (0.995 in).

**Height**

63.2 mm (2.49 in).

**Case Material**

316L stainless steel.

**Connector**

2-pin Mil-C-5015 hermetically-sealed, 304 stainless steel shell.

**Mounting Torque**

46 kg cm (40 in-lb) max.

**Polarity**

Pin A goes positive with respect to pin B when the sensor case motion is toward the connector.

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**Ordering Information**

**Velomitor Piezo-velocity Sensor**

**330500-AXX-BXX**

**A: Mounting Thread Adapter Option**

- 00** No adapter
- 01** 1/2 - 20 UNF
- 02** M8 x 1
- 03** 1/4 - 28 UNF
- 04** 1/4 - 20 UNC
- 05** Unavailable for 330500. For 1/4-18 NPT mounting, order 330525.
- 06** 5/8 - 18 UNF
- 07** 3/8 - 16 UNC
- 08** 1/2 - 13 UNC

**B: Agency Approval Option**

- 00** Not required
- 01** CSA/US/C
- 02** ATEX (European)
- 04** Multiple approvals (CSA, ATEX, Brazil)

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**Interconnect Cables**

**AXX**

**A: Cable length Option in feet**

For the cables listed below, order in increments of 1.0 ft (305 mm).

**Example: 09 = 9 ft**

**12 = 12 ft**

**9571**

2-conductor twisted, shielded 22 AWG cable with 2-socket moisture-resistant female connector at one end, terminal lugs at the other end.

Used with monitors. Not for use with 21128 Velocity Transducer Housing.

**Minimum length:** 2.0 ft (0.6 m)

**Maximum length:** 99 ft (30 m)

**84661**

2-conductor twisted, shielded 22 AWG armored cable with 2-socket moisture-resistant female

connector at one end, terminal lugs at the other end.

Used with monitors. Not for use with 21128 Velocity Transducer Housing.

**Minimum length:** 3.0 ft (0.9 m)

**Maximum length:** 96 ft (29 m).

89477

2-conductor 18 AWG twisted, shielded cable with right angle 2-socket plug at one end, terminal lugs at the other end.

Used with monitors and with 21128 Velocity Transducer Housing.

**Minimum length:** 2.0 ft (0.6 m)

**Maximum length:** 99 ft (30 m).

125065

2-conductor 18 AWG twisted, shielded cable with 2-socket plug and fluorosilicone elastomer boot at one end, terminal lugs at the other.

Used with monitors. Not for use with 21128 Velocity Transducer Housing.

**Minimum length:** 2.0 ft (0.6 m)

**Maximum length:** 99 ft (30 m).

**Note:** When using the 21128 housing, cable part number 89477-AA is necessary to connect the Velomitor Sensor to a monitor.

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**Velocity Transducer Housing – CENELEC approved  
107770-AXX-BXX**

This version is a combination of the 330500 Velomitor Sensor and a 21128 Housing **pre-installed** at the factory. It is also rated for CENELEC Zone 1, Group IIC hazardous area applications.

**A: Mounting Thread Option**

**01** Unthreaded

**02** 3/4 - 14 NPT

**03** 1/2 - 14 NPT

**04** 1/2 - 14 BSP

**B: Cable Exit Fitting Option**

**01** 1/2 - 14 NPT plug

**02** 1/2 - 14 NPT explosion-proof

**03** 1/2 - 14 NPT explosion-proof with cable gland seal

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**Velocity Transducer Housing Assembly**

**21128-AXX-BXX**

**A: Mounting Thread Option**

**01** Unthreaded

**02** 3/4 - 14 NPT

**03** 1/2 - 14 NPT

**04** 1/2 - 12 BSP

**B: Cable Exit Fitting Option**

**01** 1/2 - 14 NPT plug

**02** 1/2 - 14 NPT explosion-proof

**03** 1/2 - 14 NPT explosion-proof with cable gland seal