

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Selected official pages for procurement and maintenance review

PRODUCT BRAND

Bently Nevada

PRODUCT MODEL

135826-01

Male-to-male standard mounting stud: 1/4-28 UNF to M10 x 1.0. Accessory reference, not a standalone stud installation manual.

OFFICIAL SOURCE

Datasheet 177232 Rev. T

Open current manufacturer source

Original pages 4, 7, 8 and 10 retain their format and printed pagination. Page 8 identifies the stud. Pages 4 and 7 preserve mounting context and its cross-reference; their transmitter ratings do not describe the stud.

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Amikon Limited prepared this independent reference package. Baker Hughes / Bently Nevada authored the original pages. This extract is not the complete controlled transmitter document or a separate stud installation manual.

Environmental Limits

Operating Temperature	-40°C to +85°C (-40°F to +185°F)
Electrical Isolation	Greater than 10 ⁸ ohms
Isolation Breakdown Voltage	600 V _{rms} with less than 1 mA leakage current
Shock Survivability	9.810 m/s ² (1.000 g peak), maximum drop test



This part typically mounts directly to the machine via a stud. Customers can use this device with a magnetic base, but must take care not to “snap” the unit onto the machine. This snapping action can create a very large spike signal that can damage the electronics. Rolling the magnetic-base onto the machine greatly reduces the spike signal so that the unit should not have any issues.

Sensor Seal	Hermetically sealed
Relative Humidity of Transmitter	To 100% non-submerged
Magnetic Field Sensitivity	Less than 20 μm/s/gauss (790 μin/s/gauss) peak Less than 14.7 mm/s ² /gauss (150 μg/gauss) peak [based on 50 gauss, 50 - 60 Hz]

Physical

Weight	131 g (4.62 oz), typical
Diameter	25.4 mm (1.00 in)
Height	66.0 mm (2.60 in)
Case Material	316L stainless steel
Connector	3-pin MIL-C-5015, 316L stainless steel
Mounting Hole	¼-28 UNF
Mounting Threads	M6 X 1 SI M8 x 1.25 SI ¼-28 UNF



These stud adapters are provided with each device. For additional adapters, [see Ordering Information on page 7](#). Or contact [Benty Nevada Tech Support](#).

Mounting Torque	4 to 7 N-m (35.4 to 62.0 in-lbf)
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Ordering Information



For the detailed listing of country and product-specific approvals, refer to the [Approvals Quick Reference Guide \(108M1756\)](#).

For additional technical documentation, please log in to bntechsupport.com and access the Bently Nevada Media Library.

Seismic Transmitter

177230-AA-BB-CC

A: Measurement Range

00	0 – 12.7 mm/s (0 – 0.5 in/s)
01	0 – 25.4 mm/s (0 – 1.0 in/s)
02	0 – 50.8 mm/s (0 – 2.0 in/s)

B: Frequency

01	10 Hz to 1 kHz (600 to 60 kcps) RMS (Root Mean Square)
02	3 Hz to 1 kHz (180 to 60 kcps) peak

C: Approvals

05	Multiple Approvals (CSA/NRTL/C, ATEX/IECEX)
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Only standard or common AA-BB-CC configurations are available.

Interconnect Cable without Armor

16925-AA

A: Length in feet

Order in increments of 1 foot (0.3 m)

Minimum length: 3 feet (0.91 m)
Maximum length: 99 feet (30.2 m)
Example: **25** = 25 feet

These standard lengths are available. You can order custom lengths at additional cost.

Feet	Meters (approx.)
10	3.1
12	3.6
15	4.5
17	5.0
20	6.0
25	7.6
30	9.0
99	30.0

Interconnect Cable with Armor

16710-AA

A: Length in feet

Order in increments of 1 foot (0.3 m)

Minimum length: 3 feet (0.91 m)
Maximum length: 99 feet (30.2 m)
Example: **25** = 25 feet

These standard lengths are available. You can order custom lengths at additional cost.

Feet	Meters (approx.)
08	2.4
10	3.1
12	3.6
15	4.5
17	5.0
20	6.0
30	9.0
99	30.0

Ordering Accessories

You can order these accessories from the vendors named. Contact the vendor with the part number and ask for their part that fits your application.

3-Pin Connector (MIL-C-5015)

Base	Cannon (ITT industries) ittcannon.com P/N: CA3106R-10SL-3S F97 or P/N: MS3106R-10SL-3S
Shell	Sunbank Co. sunbankcorp.com Glennair, Inc. glennair.com
Wire (3-wire with shield)	Three-conductor 18 to 22 AWG cables with a 0.01" minimum outer jacket and inner wire insulation, and 80% minimum coverage shield. Insulation rating should be 600 V minimum.
Mil-W-16878/4 (Type E)	Sonic/Thermax thermaxcdt.com 18 AWG - P/N: 18-TE-1930 (3) SXE 22 AWG - P/N: 22-TE-1934 (3) SXE Standard Wire and Cable Co. std-wire.com 18 AWG - P/N: 1100-88T 22 AWG - P/N: 1100-66T Belden belden.com 18 AWG - P/N: 83336 22 AWG -P/N: 83334

Studs and Adapters

Part No.	Description
89139-01	M-M ¼-28 UNF to ⅜-24 UNF standard stud
128038-01	M-M ¼-28 UNF to ⅜-24 hex plate stud (1-⅜" X 0.25")
146396-01	F-M ¼-18 NPT to ¼-28 adapter
146394-01	F-M ¼-28 UNF to ¼-18 NPT adapter
37439-01	F-M ¼-28 UNF to ¼-28 UNF mounting base
164373	M-M ¼-28 UNF to ¼-28 UNF standard stud with brass tip
135826-01	M-M ¼-28 UNF to M10 X 1.0 standard stud

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