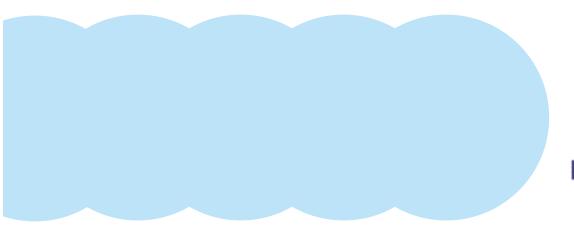
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Описание на сейсмозонды. Модели 9200, 74712





9200, 74712 Seismoprobe*

Bently Nevada* Asset Condition Monitoring



Description

Bently Nevada Seismoprobe* Velocity Transducer Systems are designed to measure absolute (relative to free space) bearing housing, casing, or structural vibration. The two-wire systems consist of a transducer, appropriate cable, and an optional velocity-to-displacement converter.

The Seismoprobe family of velocity transducers is a two-wire design that uses moving-coil technology and provides a voltage output directly proportional to the transducer's vibration velocity. Unlike solid-state velocity transducers (which are inherently accelerometers with embedded integration electronics), moving-coil transducers are less sensitive to impact or impulsive excitation, and can represent a good choice for certain applications. Also, because they require no external power, they are convenient for portable measurement applications.

Note: For the majority of installations, Bently Nevada's Velomitor family of velocity transducers, which incorporate solid-state technology, represent superior performance and robustness for casing velocity measurement applications.

Two types of Seismoprobe Velocity Transducers are available:

- 9200: The 9200 is a two-wire transducer suitable for continuous monitoring or for periodic measurements in conjunction with test or diagnostic instruments. When ordered with the integral cable option, the 9200 has excellent resistance to corrosive environments without need of additional protection.
- 74712: The 74712 is a high temperature version of the 9200.

Various interconnect cables are available for connecting the 9200 and 74712 transducers to other instruments or a velocity-to-displacement converter. These cables are available in one-foot (300 mm) increments, with or without stainless steel armor.

One type of velocity-to displacement converter (VDC) is available: **9513:** to be used with 9200 and 74712 transducers.





riangle Caution

If housing measurements are being made for overall protection of the machine, thought should be given to the usefulness of the measurement for each application. Most common machine malfunctions (imbalance, misalignment, etc.) originate at the rotor and cause an increase (or at least a change) in rotor vibration. In order for any housing measurement alone to be effective for overall machine protection, a significant amount of rotor vibration must be faithfully transmitted to the bearing housing or machine casing, or more specifically, to the mounting location of the transducer.

In addition, care should be exercised in the physical installation of the transducer. Improper installation can result in a decrease of the transducer amplitude and frequency, of the transducer amplitude and frequency response, and/or the generation of signals, which do not represent actual machine vibration.

Upon request, we can provide engineering services to determine the appropriateness of housing measurements for the machine in question and/or to provide installation assistance

Specifications

9200 and 74712 Seismoprobe Velocity Transducers

Specifications are at approximately +22°C (+72°F) with 25 mm/s (1 in/s) of machine casing vibration at 100 Hz (6000 cpm) with a 10 kilo ohm load unless otherwise specified.

Electrical

Sensitivity:

20 mV/mm/s (500 mV/in/s), ±5% when properly terminated and oriented at the angle of

calibration.

Frequency Response:

From minimum operating frequency (see ordering information) to 1 kHz (60,000 cpm); +0, -3dB typical.

Please contact BENTLY NEVADA, INC. for detailed calibration data.

Dynamic Operating Range:

2.54 mm (0.100 in) peak to peak maximum displacement.

Shock Resistance:

Withstands 50 g peak maximum acceleration along nonsensitive axis.

Transverse Sensitivity:

±10% maximum.

Polarity of Output Signal

> Pin A goes positive with respect to Pin B when the transducer case velocity is towards the connector.

Leadwire Length:

> 305 meters (1,000 feet) maximum between Seismoprobe Velocity Transducer and 3300 or 3500 Monitor. Consult manual for frequency roll-off at longer lengths.

Compliance and Certifications

EMC

Standards

EN61326-1, Electrical Equipment for Measurement, Control, and Laboratory use, EMC Requirements.

European Community Directives:

EMC Directive 2004/108/EC

EU Declarations of Conformity are available from www.bently.com

Hazardous Area Approvals North America:

Class I Div 1, Group A, B, C, and D, Class II Div 1, Group E, F and G, Class III

When installed per Dwg.

CA22000

Europe:

(Ex

II 1 G Ex ia IIC T6 Ga



II 3 G Ex nA IIC T6 Gc

IECEx:

Ex ia IIC T6 Ga Ex nA IIC T6 Gc

For further certification and approvals information please visit the following website:

www.ge-mcs.com/bently

Environmental Limits

Operating and Storage Temperature:

9200: -29°C to +121°C

 $(-20^{\circ}F \text{ to } +250^{\circ}F).$

74712: -29°C to +204°C

(-20°F to +400°F).

Environment:

Dust and moisture resistant.

Note: Contact your Sales

Professional regarding transducer

operation in a radiation

environment.

Relative Humidity:

To 95%, noncondensing.

100%, non-submerged, when ordered with integral cable.

Mechanical
Case and

Adapter Material:

Anodized aluminum A204

Gasket Material

9200: Neoprene 74712: Silicone Connector Material:

Top and Side Mount Options:

Cadmium-plated aluminum, neoprene, and silver plated

copper

Terminal Block Option:

Polyphenylene Sulfide with nickel-

plated copper contacts.

Coaxial Connector Option:

Silver-plated brass, fluoroethylene

propylene (FEP), and beryllium

copper

Mounting Torque:

½-20, ¼-20, ¼-28, 5/8-18, or M10x1 mounting base

options:

5.6 N•m (50 in•lb)

8-32 threaded

studs:

1.41 N•m (12.5 in•lb)

Physical 9200/74712

Height:

102 mm (4 in) typical

(depends on connector option).

Diameter:

41 mm (1.6 in) typical.

Weight:

9200 = 300 grams (10.5 ounces)

typical.

74712 = 480 grams (17 ounces)

typical.

9513 Velocity-to-Displacement Converter

Electrical

Model 9513 requires:

-18 Vdc.

Output Sensitivity (with a 500 mV/in/s input)

9513-02:

200 mV/mil (8 V/mm) ±5%. (Valid for frequencies above 5 Hz [300

cpm])

9513-09

100 mV/mil (4 V/mm) ±5%. (Valid for frequencies above 5 Hz [300

cpm])

Frequency Range:

Minimum operating frequency to

10 kHz (600,000 cpm).

Output Impedance:

For model 9513-02, 100Ω .

Output Bias:

5.8 to 9.5 Vdc.

Physical

9513

Height:

38 mm (1.50 in)

Length:

89 mm (3.50 in)

Width:

54 mm (2.12 in)

Weight:

180 g (6.50 oz)

Mounting Holes:

Four 4.8 mm (0.19 in) diameter holes centered in all corners of a rectangle 50.8 mm (2 in) long by 44.5 mm (1.75 in) wide.

Seismoprobe Velocity Transducer Orientation:

> All Seismoprobe Velocity Transducers are specified for mounting orientations as shown in Figure 1.

Ordering Information

Note: Country specific approvals may be available. Contact your local customer care representative.

Two-wire Transducer

The 9200 Two-wire Velocity Seismoprobe Transducer can be used with the 9513 VDC, which is ordered separately (see Velocity-to-Displacement Converter).

9200-AXX-BXX-CXX-DXX

A: Transducer Mounting Angle/Minimum Operating Frequency Option

> 01 0 ±2.5, 4.5 Hz (270 cpm) 02 45 ±2.5, 4.5 Hz (270 cpm) 03 90 ±2.5, 4.5 Hz (270 cpm) 0 ±100, 10 Hz (600 cpm) 06

0 ±180, 15 Hz (900 cpm) 09 11 $90 \pm 10, 10 \text{ Hz} (600 \text{ cpm})$

B: Connector Option

01 Top Mount Side Mount 02

05 Terminal block top mount 06 Coaxial connector (for test

equipment only)

07 thru 50

Environmentally resistant with integral cable. Option number corresponds to cable length 7.0 feet (2.1 metres) min., 50.0 feet (15 metres) max. When ordering with approvals, max length available is 32 feet (9.75 metres) max. Ordered in increments of 1.0 ft.

C: Mounting Base Option			09	Isolated circular 5/8-in 18
01	Circular; 1/4-in 20 UNC stud		0.5	UNF-2A
02	Circular; 1/4-in 28 UNF stud		10	Circular M10X1
03	Rectangular flange		11	Isolated circular base M10X1
0 4	Circular; with three 8-32		12	Isolated circular base ½-in 20
	threaded studs on a 44 mm	C: Connector Opti		
	(1.75 in) diameter bolt circle		01	Coaxial connector for test
05	No base; 1/2-in 20 UNF-3A			equipment only: rated to
0.6	stud			+165°C (+329°F).
0 6	Isolated circular 1/4-in 20 UNC stud		02	Top mount
07	Isolated circular 1/4-in 28 UNF		03 04	Terminal block top mount Side mount
07	stud	D: Agency Approv		
0.8	Isolated rectangular flange	b. Agency Approv	00	No approvals required
09	Isolated circular 5/8-in 18 UNF		01	CSA/NRTL/C
	stud		02	EUROPEAN
10	Circular; M10X1 stud		0 4	Multiple Approvals
11	Isolated circular M10X1			
12	Isolated circular ½-in 20 UNF-			
- · · · · · · · · · · · · · · · · · · ·	2A	Velocity-to-Displo	cement	Converters
D: Agency Approval Optio		For 9200 and 74	712 Sei	smoprobe Velocity
00 01	No approvals required CSA/NRTL/C	Transducers (re		
02	EUROPEAN	-18 Vdc supply):		
04	Multiple Approvals	9513 -02		
• .	r raisipie rippi ovais		200 r	nV/mil (8 V/mm).
High-temperature two-w	ire transducer			
The 74712 High Tempe		Interconnect		
	ransducer can be used with	Cables		
	ordered separately (see			
Velocity-to-Displacement Converter).		Standard		
74712-AXX-BXX-CXX DXX		Cables		
A: Transducer Mounting A	ngle/Minimum Operating	9571		
Frequency Option	1 3			nductor twisted, shielded
01			2-cor	
02	0 ±2.5, 4.5 Hz (270 cpm)			
	45 ±2.5, 4.5 Hz (270 cpm)		22 A\	WG (0.5 mm ²) cable with
03	45 ±2.5, 4.5 Hz (270 cpm) 90 ±2.5, 4.5 Hz (270 cpm)		22 A\ 2-soc	WG (0.5 mm ²) cable with cket moisture-resistant
0 3 0 4	45 ±2.5, 4.5 Hz (270 cpm) 90 ±2.5, 4.5 Hz (270 cpm) 135 ±2.5, 4.5 Hz (270 cpm)		22 AV 2-soc fema	WG (0.5 mm ²) cable with
0 3 0 4 0 5	45 ±2.5, 4.5 Hz (270 cpm) 90 ±2.5, 4.5 Hz (270 cpm) 135 ±2.5, 4.5 Hz (270 cpm) 180 ±2.5, 4.5 Hz (270 cpm)		22 AV 2-soc fema termi	WG (0.5 mm ²) cable with cket moisture-resistant le connector at one end,
03 04 05 06	45 ±2.5, 4.5 Hz (270 cpm) 90 ±2.5, 4.5 Hz (270 cpm) 135 ±2.5, 4.5 Hz (270 cpm) 180 ±2.5, 4.5 Hz (270 cpm) 0 ±100, 10 Hz (600 cpm)		22 AV 2-soc fema termi (Usec	WG (0.5 mm ²) cable with ket moisture-resistant le connector at one end, nal lugs at the other end.
03 04 05 06 07	45 ±2.5, 4.5 Hz (270 cpm) 90 ±2.5, 4.5 Hz (270 cpm) 135 ±2.5, 4.5 Hz (270 cpm) 180 ±2.5, 4.5 Hz (270 cpm)		22 AV 2-soo fema termi (Usea Minir	WG (0.5 mm ²) cable with cket moisture-resistant le connector at one end, and lugs at the other end. It with monitors or VDCs).
0 3 0 4 0 5 0 6 0 7 B: Mounting Base Option	45 ±2.5, 4.5 Hz (270 cpm) 90 ±2.5, 4.5 Hz (270 cpm) 135 ±2.5, 4.5 Hz (270 cpm) 180 ±2.5, 4.5 Hz (270 cpm) 0 ±100, 10 Hz (600 cpm) 0 ±180, 15 Hz (900 cpm)	84661	22 AV 2-soo fema termi (Usea Minir	WG (0.5 mm ²) cable with cket moisture-resistant le connector at one end, and lugs at the other end. I with monitors or VDCs). num length of 2.0 ft (0.6 m),
0 3 0 4 0 5 0 6 0 7 B: Mounting Base Option 0 1	45 ±2.5, 4.5 Hz (270 cpm) 90 ±2.5, 4.5 Hz (270 cpm) 135 ±2.5, 4.5 Hz (270 cpm) 180 ±2.5, 4.5 Hz (270 cpm) 0 ±100, 10 Hz (600 cpm) 0 ±180, 15 Hz (900 cpm) Circular; 1/4-in 20 UNC stud	84661	22 AV 2-soo fema termi (Usea Minir maxi	WG (0.5 mm ²) cable with cket moisture-resistant le connector at one end, nal lugs at the other end. I with monitors or VDCs). num length of 2.0 ft (0.6 m), mum length of 99 ft (30 m).
0 3 0 4 0 5 0 6 0 7 B: Mounting Base Option 0 1 0 2	45 ±2.5, 4.5 Hz (270 cpm) 90 ±2.5, 4.5 Hz (270 cpm) 135 ±2.5, 4.5 Hz (270 cpm) 180 ±2.5, 4.5 Hz (270 cpm) 0 ±100, 10 Hz (600 cpm) 0 ±180, 15 Hz (900 cpm) Circular; 1/4-in 20 UNC stud Circular; 1/4-in 28 UNF stud	84661	22 AV 2-soo fema termi (Used Minir maxi	WG (0.5 mm ²) cable with cket moisture-resistant le connector at one end, nal lugs at the other end. I with monitors or VDCs). num length of 2.0 ft (0.6 m), mum length of 99 ft (30 m).
0 3 0 4 0 5 0 6 0 7 B: Mounting Base Option 0 1	45 ±2.5, 4.5 Hz (270 cpm) 90 ±2.5, 4.5 Hz (270 cpm) 135 ±2.5, 4.5 Hz (270 cpm) 180 ±2.5, 4.5 Hz (270 cpm) 0 ±100, 10 Hz (600 cpm) 0 ±180, 15 Hz (900 cpm) Circular; 1/4-in 20 UNC stud	84661	22 AV 2-soo fema termi (Used Minir maxi 2-cor 22 AV	WG (0.5 mm²) cable with cket moisture-resistant le connector at one end, and lugs at the other end. If with monitors or VDCs), num length of 2.0 ft (0.6 m), mum length of 99 ft (30 m). Inductor twisted, shielded WG (0.5 mm²) armored cable
0 3 0 4 0 5 0 6 0 7 B: Mounting Base Option 0 1 0 2 0 3	45 ±2.5, 4.5 Hz (270 cpm) 90 ±2.5, 4.5 Hz (270 cpm) 135 ±2.5, 4.5 Hz (270 cpm) 180 ±2.5, 4.5 Hz (270 cpm) 0 ±100, 10 Hz (600 cpm) 0 ±180, 15 Hz (900 cpm) Circular; 1/4-in 20 UNC stud Circular; 1/4-in 28 UNF stud Rectangular flange	84661	22 AV 2-soo fema termi (Used Minir maxi 2-cor 22 AV with	WG (0.5 mm²) cable with cket moisture-resistant le connector at one end, and lugs at the other end. If with monitors or VDCs), num length of 2.0 ft (0.6 m), mum length of 99 ft (30 m). Inductor twisted, shielded WG (0.5 mm²) armored cable 2-socket moisture-resistant
0 3 0 4 0 5 0 6 0 7 B: Mounting Base Option 0 1 0 2 0 3	45 ±2.5, 4.5 Hz (270 cpm) 90 ±2.5, 4.5 Hz (270 cpm) 135 ±2.5, 4.5 Hz (270 cpm) 180 ±2.5, 4.5 Hz (270 cpm) 0 ±100, 10 Hz (600 cpm) 0 ±180, 15 Hz (900 cpm) Circular; 1/4-in 20 UNC stud Circular; 1/4-in 28 UNF stud Rectangular flange Circular base with three 8-32	84661	22 AV 2-soo fema termi (Used Minir maxi 2-cor 22 AV with fema	WG (0.5 mm²) cable with cket moisture-resistant le connector at one end, nal lugs at the other end. with monitors or VDCs). num length of 2.0 ft (0.6 m), mum length of 99 ft (30 m). Inductor twisted, shielded WG (0.5 mm²) armored cable 2-socket moisture-resistant le connector at one end,
0 3 0 4 0 5 0 6 0 7 B: Mounting Base Option 0 1 0 2 0 3 0 4	45 ±2.5, 4.5 Hz (270 cpm) 90 ±2.5, 4.5 Hz (270 cpm) 135 ±2.5, 4.5 Hz (270 cpm) 180 ±2.5, 4.5 Hz (270 cpm) 0 ±100, 10 Hz (600 cpm) 0 ±180, 15 Hz (900 cpm) Circular; 1/4-in 20 UNC stud Circular; 1/4-in 28 UNF stud Rectangular flange Circular base with three 8-32 studs No base; 1/2-in 20 UNF-3A stud	84661	22 AV 2-soo fema termi (Used Minir maxi 2-cor 22 AV with fema termi	WG (0.5 mm²) cable with cket moisture-resistant le connector at one end, nal lugs at the other end. with monitors or VDCs). num length of 2.0 ft (0.6 m), mum length of 99 ft (30 m). Inductor twisted, shielded WG (0.5 mm²) armored cable 2-socket moisture-resistant le connector at one end, nal lugs at the other end.
0 3 0 4 0 5 0 6 0 7 B: Mounting Base Option 0 1 0 2 0 3 0 4	45 ±2.5, 4.5 Hz (270 cpm) 90 ±2.5, 4.5 Hz (270 cpm) 135 ±2.5, 4.5 Hz (270 cpm) 180 ±2.5, 4.5 Hz (270 cpm) 0 ±100, 10 Hz (600 cpm) 0 ±180, 15 Hz (900 cpm) Circular; 1/4-in 20 UNC stud Circular; 1/4-in 28 UNF stud Rectangular flange Circular base with three 8-32 studs No base; 1/2-in 20 UNF-3A stud Isolated circular ¼-in 20 UNC-	84661	22 AV 2-soo fema (Used Minir maxi 2-cor 22 AV with fema (Used	WG (0.5 mm²) cable with cket moisture-resistant le connector at one end, nal lugs at the other end. If with monitors or VDCs), num length of 2.0 ft (0.6 m), mum length of 99 ft (30 m). Inductor twisted, shielded WG (0.5 mm²) armored cable 2-socket moisture-resistant le connector at one end, and lugs at the other end. If with monitors or VDCs).
03 04 05 06 07 B: Mounting Base Option 01 02 03 04	45 ±2.5, 4.5 Hz (270 cpm) 90 ±2.5, 4.5 Hz (270 cpm) 135 ±2.5, 4.5 Hz (270 cpm) 180 ±2.5, 4.5 Hz (270 cpm) 0 ±100, 10 Hz (600 cpm) 0 ±180, 15 Hz (900 cpm) Circular; 1/4-in 20 UNC stud Circular; 1/4-in 28 UNF stud Rectangular flange Circular base with three 8-32 studs No base; 1/2-in 20 UNF-3A stud Isolated circular ¼-in 20 UNC-2B	84661	22 AV 2-soo fema (Used Minir maxi 2-cor 22 AV with fema termi (Used Minir	WG (0.5 mm²) cable with cket moisture-resistant le connector at one end, nal lugs at the other end. If with monitors or VDCs), num length of 2.0 ft (0.6 m), mum length of 99 ft (30 m). Inductor twisted, shielded WG (0.5 mm²) armored cable 2-socket moisture-resistant le connector at one end, nal lugs at the other end. If with monitors or VDCs), num length of 3.0 ft (0.9 m),
0 3 0 4 0 5 0 6 0 7 B: Mounting Base Option 0 1 0 2 0 3 0 4	45 ±2.5, 4.5 Hz (270 cpm) 90 ±2.5, 4.5 Hz (270 cpm) 135 ±2.5, 4.5 Hz (270 cpm) 180 ±2.5, 4.5 Hz (270 cpm) 0 ±100, 10 Hz (600 cpm) 0 ±180, 15 Hz (900 cpm) Circular; 1/4-in 20 UNC stud Circular; 1/4-in 28 UNF stud Rectangular flange Circular base with three 8-32 studs No base; 1/2-in 20 UNF-3A stud Isolated circular ¼-in 20 UNC-2B Isolated circular ¼-in 28 UNF-	84661	22 AV 2-soo fema (Used Minir maxi 2-cor 22 AV with fema termi (Used Minir	WG (0.5 mm²) cable with cket moisture-resistant le connector at one end, nal lugs at the other end. If with monitors or VDCs), num length of 2.0 ft (0.6 m), mum length of 99 ft (30 m). Inductor twisted, shielded WG (0.5 mm²) armored cable 2-socket moisture-resistant le connector at one end, and lugs at the other end. If with monitors or VDCs).
03 04 05 06 07 B: Mounting Base Option 01 02 03 04	45 ±2.5, 4.5 Hz (270 cpm) 90 ±2.5, 4.5 Hz (270 cpm) 135 ±2.5, 4.5 Hz (270 cpm) 180 ±2.5, 4.5 Hz (270 cpm) 0 ±100, 10 Hz (600 cpm) 0 ±180, 15 Hz (900 cpm) Circular; 1/4-in 20 UNC stud Circular; 1/4-in 28 UNF stud Rectangular flange Circular base with three 8-32 studs No base; 1/2-in 20 UNF-3A stud Isolated circular ¼-in 20 UNC-2B	84661	22 AV 2-soo fema (Used Minir maxi 2-cor 22 AV with fema termi (Used Minir	WG (0.5 mm²) cable with cket moisture-resistant le connector at one end, nal lugs at the other end. If with monitors or VDCs), num length of 2.0 ft (0.6 m), mum length of 99 ft (30 m). Inductor twisted, shielded WG (0.5 mm²) armored cable 2-socket moisture-resistant le connector at one end, nal lugs at the other end. If with monitors or VDCs), num length of 3.0 ft (0.9 m),

9755

2-wire shielded 22 AWG (0.5 mm²) cable with 2-pin female connectors at each end. (Connects 9200 or 74712 Seismoprobe Velocity Transducers to Bently Nevada test kits). Minimum length of 1.0 ft (0.3 m), maximum length of 99 ft (30 m).

83968

2-wire straight cable with 2-pin female connector at one end and coaxial connector in the other end (used with instruments with BNC connector input jacks).

Minimum length of 2.0 ft (0.6 m), maximum length of 99 ft (30 m).

High-Temperature cables

84508

2-wire shielded 22 AWG (0.5 mm²) cable with terminal lugs at each end. Minimum length of 1.0 ft (0.3 m), maximum length of 99 ft (30 m).

84509

2-wire shielded 22 AWG (0.5 mm²) armored cable with terminal lugs at each end. Minimum length of 3.0 ft (0.9 m), maximum length of 70 ft (21 m).

84660

2-wire shielded 22 AWG (0.5 mm²) cable with 2-socket female connector at one end, terminal lugs at the other end. Minimum length of 3.0 ft (0.9 m), maximum length of 99 ft (30 m).

84510

2-wire shielded 22 AWG (0.5 mm²) armored cable with 2-socket female connector at one end, terminal lugs at the other end. Minimum length of 3.0 ft (0.9 m), maximum length of 70 ft (21 m).

87143

2-wire shielded 18 AWG (1.0 mm²) cable with terminal lugs at each end. Withstands 200 °C (392 °F). Minimum length of 3.0 ft (0.9 m), maximum length of 99 ft (30 m).

Cable

The following are standard lengths			
Feet	Meters (approx.)		
6	1.8		
8	2.4		
10	3.0		
12	3.6		
15	4.5		
17	5.0		
20	6.0		
25	7.6		
30	9.0		
33	10.0		
50	15.2		
99	30.0		
NOTE No. 1			

NOTE: Non-standard/custom lengths can also be ordered at additional cost

Part Number-AXX

A: Cable Length Option in feet

For all of the above cables, order in increments of 1.0 ft (305 mm).

Example: 0 9 = 9 ft 1 2 = 12 ft

Accessories

80705-01

Coiled 2-conductor cable with 2-pin connector at one end and BNC connector at the other end (used with instruments with BNC connector input jacks). Coiled length of 0.5 metre (19.6 inches), stretched length of 2 metres (6.5 feet).

46000-01

Magnetic Base for portable mounting of **Seismoprobe** Velocity Transducers.

46122-01

Quick connect for semipermanent mounting of **Seismoprobe** Velocity Transducers.

02173006

Bulk cable; 2-conductor, twisted, shielded. 18 AWG (1.0 mm²) cable without connectors or terminal

lugs. Specify number of feet. Withstands +200°C (+392°F).

00531061

Mating connector for 9200 and 74712 **Seismoprobe** Velocity Transducers.

00530574

Cable Mounting Clamp

Graphs and Figures

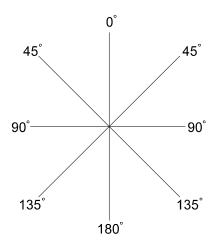


Figure 1: Seismoprobe Orientation
All Seismoprobe Velocity Transducers are specified for mounting orientations as shown above: 0° is vertical, as viewed from driver end.

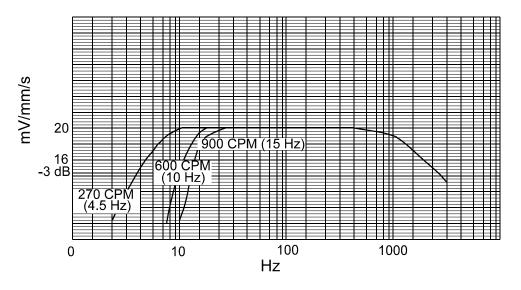


Figure 2: Theoretical Velocity Seismoprobe Frequency Response

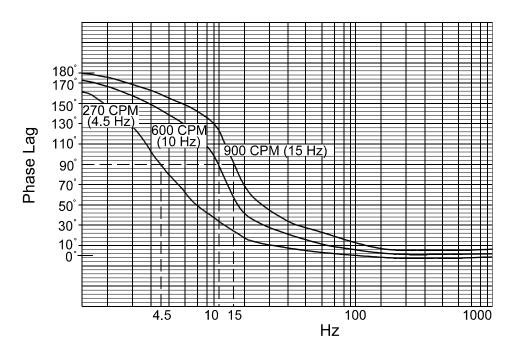


Figure 3: Theoretical Phase Shift between Output and Case Velocity Arial

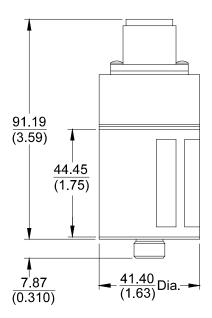


Figure 4: Top Mounted Connector Arial 9200 Option -01 or 74712 Option-02

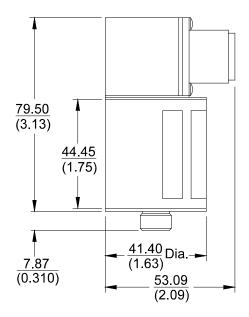


Figure 5: Side Mounted Connector 9200 Option -02 or 74712 Option -04

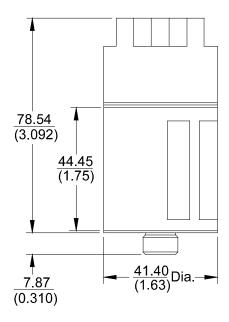


Figure 6: Terminal Block Connector 9200 Option -05 or 74712 Option -03

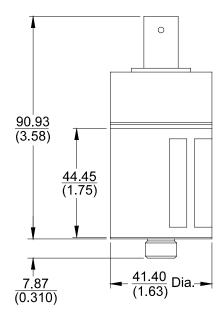
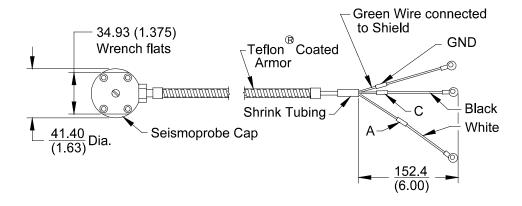


Figure 7: BNC Connector 9200 Option -06 or 74712 Option -01



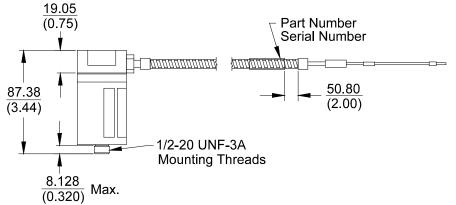


Figure 8: 9200 Connector Options -07 thru -50 All dimensions are in millimeters (inches)

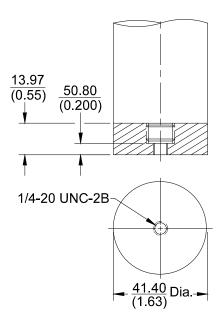


Figure 9: 9200 and 74712 Mounting Base Option -01 or -06 Option -01 Circular 1/4-20 UNC-2B, or Option -06 Isolated Circular 1/4-20 UNC-2B

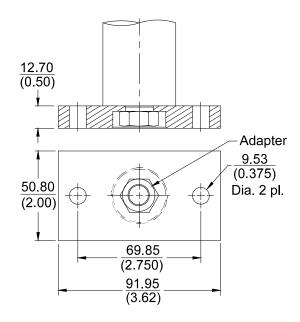


Figure 11: 9200 and 74712 Mounting Base Options -03 or -08 Option -03 Flanged or Option -08 Isolated Flanged

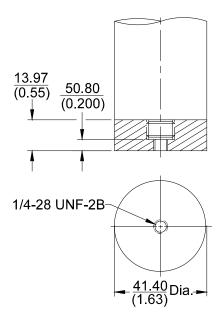


Figure 10: 9200 and 74712 Mounting Base Options -02 or -07 Option -02 Circular 1/4-28 UNF-2B, or Option -07 Isolated Circular 1/4-28 UNF-2B

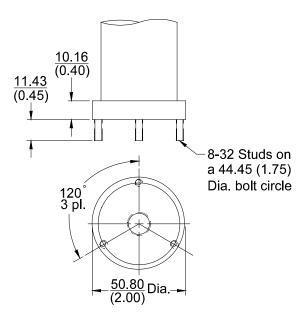


Figure 12: 9200 and 74712 Mounting Base Option -04 3 each 8-32 studs

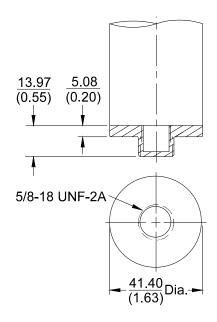


Figure 13: 9200 and 74712 Mounting Base Option -09 Isolated Circular 5/8-18 UNF-2A Base

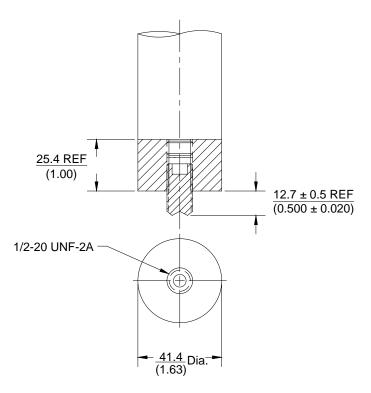


Figure 15: 9200 Mounting Base Option -12 Isolated Circular ½-20 UNF-2A

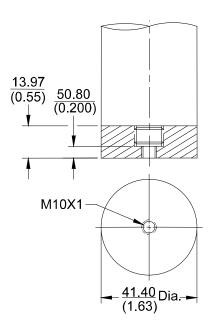


Figure 14: 9200 and 74712 Mounting Base Option -10 or -11 Option -10 Circular M10x1 or Option-11 Isolated Circular M10X1

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