

74712-06-12-04-04

High-Temperature Seismoprobe

Bently Nevada 74712-06-12-04-04 is a 74712 two-wire moving-coil velocity transducer configured for 0 deg +/-100 deg operation and a 10 Hz (600 cpm) minimum frequency. It provides self-generating absolute-vibration output through the documented side mount interface.

BRAND	Bently Nevada	MODEL	74712-06-12-04-04
PRODUCT	High-Temperature Seismoprobe	FAMILY	Industrial automation
OFFICIAL SOURCE	Bently Nevada 9200 and 74712 Seismoprobe Velocity Transducers Datasheet	RECORD	Baker Hughes / Bently Nevada publication 141626 Rev. V

DOCUMENT SCOPE

Official technical evidence, controlled engineering checks, model-specific FAQ and related product navigation.

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Product Overview and Applications

SYSTEM FUNCTION

Bently Nevada 74712-06-12-04-04 is a 74712 two-wire moving-coil velocity transducer configured for 0 deg +/-100 deg operation and a 10 Hz (600 cpm) minimum frequency. It provides self-generating absolute-vibration output through the documented side mount interface.

FUNCTION 1

Self-generating moving-coil measurement

FUNCTION 2

0 deg +/-100 deg configured orientation

FUNCTION 3

10 Hz (600 cpm) minimum operating frequency

FUNCTION 4

-29 to +204 deg C family temperature range

APPLICATION	ENGINEERING CONTEXT
Bearing housing vibration	Measures absolute vibration on supported bearing housings.
Machine casing vibration	Measures casing motion through the approved mounting base.
Structural vibration	Supports low-frequency absolute vibration on rigid machine structures.
High-temperature machinery	Uses the documented family temperature and orientation limits.

Technical Data and Acceptance

PARAMETER	VERIFIED VALUE
Complete model	74712-06-12-04-04
Transducer family	74712
Measurement type	Self-generating moving-coil velocity
Mounting angle option	06 = 0 deg +/-100 deg
Minimum operating frequency	10 Hz (600 cpm)
Mounting base	12 = isolated circular 1/2-20 UNF base
Connector option	side mount
Agency approval	ATEX / IECEx
Sensitivity	20 mV/mm/s (500 mV/in/s), published tolerance
Load resistance	10 kohm
Dynamic displacement range	2.54 mm peak-to-peak
Velocity range	25 mm/s at 100 Hz
Coil resistance	1.25 kohm, published tolerance
Frequency response upper limit	1 kHz
Operating and storage temperature	-29 to +204 deg C

Acceptance Path

1 IDENTITY

The complete 74712-06-12-04-04 marking and revision agree with the engineering record.

2 COMPATIBILITY

System position, companion hardware and interfaces match the manufacturer documentation.

3 CONFIGURATION

Saved values, channel mappings and protection limits are restored without unexplained change.

4 FUNCTIONAL PROOF

Diagnostics and the model-specific controlled test pass without unexplained fault.

Precautions and Model-Specific FAQ

NO.	PRECAUTION	QUESTION	ANSWER
1	Verify the complete 74712-06-12-04-04 marking.	What is Bently Nevada 74712-06-12-04-04?	It is a 74712 moving-coil two-wire velocity transducer for absolute vibration measurement.
2	Install only at the documented 0 deg +/-100 deg orientation.		
3	Use the isolated circular 1/2-20 unf base mounting configuration.	Which mounting orientation applies to Bently Nevada 74712-06-12-04-04?	Option 06 specifies 0 deg +/-100 deg operation with a 10 Hz (600 cpm) minimum operating frequency.
4	Wire the side mount interface with correct polarity.		
5	Protect the moving-coil element from impact.	Which connector is used by Bently Nevada 74712-06-12-04-04?	The configured connector option is side mount.
6	Match monitor scaling to the published sensitivity.	Which mounting base is used by Bently Nevada 74712-06-12-04-04?	Option 12 specifies isolated circular 1/2-20 UNF base.
7	Observe the -29 to +204 deg C operating limit.		
8	Verify stable zero and credible vibration response before release.		

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 190501-00-00-CN	View Bently Nevada 190501-00-00-CN
Bently Nevada 190501-10-00-00	View Bently Nevada 190501-10-00-00
Bently Nevada 190501-12-00-01	View Bently Nevada 190501-12-00-01
Bently Nevada 128608-02	View Bently Nevada 128608-02
Bently Nevada 1900-65A-00-00-01-00-00	View Bently Nevada 1900-65A-00-00-01-00-00
Bently Nevada 1900-65A-00-01-01-00-00	View Bently Nevada 1900-65A-00-01-01-00-00

FAQ, Related Products and Sources

QUESTION	ANSWER
Which approval applies to Bently Nevada 74712-06-12-04-04?	The final 04 option specifies ATEX / IECEx.
What sensitivity applies to Bently Nevada 74712-06-12-04-04?	The official datasheet specifies 20 mV/mm/s (500 mV/in/s), within the published tolerance.
What temperature range applies to Bently Nevada 74712-06-12-04-04?	The official operating and storage range for this family is -29 to +204 deg C.
What confirms commissioning of Bently Nevada 74712-06-12-04-04?	Mounting angle, base, connector wiring, polarity and the measured absolute-vibration response must agree with the approved record.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 1900-65A-01-01-03-00-00	View Bently Nevada 1900-65A-01-01-03-00-00
Bently Nevada 1900-65A-01-01-03-00-01	View Bently Nevada 1900-65A-01-01-03-00-01
Bently Nevada 190501-00-00-04	View Bently Nevada 190501-00-00-04
Bently Nevada 190501-02-99-00-711480	View Bently Nevada 190501-02-99-00-711480
Bently Nevada 190501-04-00-00	View Bently Nevada 190501-04-00-00
Bently Nevada 190501-04-00-04	View Bently Nevada 190501-04-00-04
Bently Nevada 190501-12-00-02	View Bently Nevada 190501-12-00-02
Bently Nevada 190501-12-00-04	View Bently Nevada 190501-12-00-04

MANUFACTURER SOURCE RECORDS

Bently Nevada 9200 and 74712 Seismoprobe Velocity Transducers Datasheet - Baker Hughes /
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