

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.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
Complete model	74712-06-12-04-04
Product role	High-Temperature Seismoprobe
System family	Industrial automation
Source record	Baker Hughes / Bently Nevada publication 141626 Rev. V

DOCUMENT SCOPE

Model identity, official technical data, model-specific applications, precautions, FAQ and controlled acceptance records.

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74712-06-12-04-04

Technical Specifications

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

ENGINEERING BOUNDARY

Verify the isolated circular 1/2-20 unf base mounting, side mount connector, orientation and monitor input before installation. The ATEX / IECEx option must be used only with the current manufacturer drawing and the complete supplied marking.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 16710-16	View Bently Nevada 16710-16
Bently Nevada 16710-18	View Bently Nevada 16710-18
Bently Nevada 16710-46	View Bently Nevada 16710-46
Bently Nevada 16710-50	View Bently Nevada 16710-50

System Role and Common Applications

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.

ACCEPTANCE DUTY

Confirm identity, interface, companion hardware, configured values and controlled functional response before release.

Engineering Precautions and FAQ

NO.	PRECAUTION
1	Verify the complete 74712-06-12-04-04 marking.
2	Install only at the documented 0 deg +/-100 deg orientation.
3	Use the isolated circular 1/2-20 unf base mounting configuration.
4	Wire the side mount interface with correct polarity.
5	Protect the moving-coil element from impact.
6	Match monitor scaling to the published sensitivity.
7	Observe the -29 to +204 deg C operating limit.
8	Verify stable zero and credible vibration response before release.

QUESTION	ANSWER
What is Bently Nevada 74712-06-12-04-04?	It is a 74712 moving-coil two-wire velocity transducer for absolute vibration measurement.
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.
Which connector is used by Bently Nevada 74712-06-12-04-04?	The configured connector option is side mount.
Which mounting base is used by Bently Nevada 74712-06-12-04-04?	Option 12 specifies isolated circular 1/2-20 UNF base.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 16710-99	View Bently Nevada 16710-99
Bently Nevada 16925-10	View Bently Nevada 16925-10
Bently Nevada 16925-15	View Bently Nevada 16925-15
Bently Nevada 16925-21	View Bently Nevada 16925-21
Bently Nevada 16925-30	View Bently Nevada 16925-30

FAQ, Related Products and Official 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.

MODEL	APTER POWER PAGE
Bently Nevada 16925-33	View Bently Nevada 16925-33
Bently Nevada 16925-99	View Bently Nevada 16925-99
Bently Nevada 16M1081-01	View Bently Nevada 16M1081-01
Bently Nevada 1701-05	View Bently Nevada 1701-05
Bently Nevada 1701-15	View Bently Nevada 1701-15
Bently Nevada 170180-01-05	View Bently Nevada 170180-01-05
Bently Nevada 170180-02-00	View Bently Nevada 170180-02-00
Bently Nevada 177230-00-01-05	View Bently Nevada 177230-00-01-05
Bently Nevada 177230-01-01-05	View Bently Nevada 177230-01-01-05

MANUFACTURER SOURCE RECORDS

Bently Nevada 9200 and 74712 Seismoprobe Velocity Transducers Datasheet - Baker Hughes / Bently Nevada publication 141626 Rev. V

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