

INDUSTRIAL AUTOMATION PRODUCT

12822901

Prox Seismic Module

Bently Nevada 12822901 corresponds to official part-number form 128229-01, the 3500/42M Prox/Seismic I/O Module with internal terminations.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	3500/42M Proximitor Seismic Monitor
Part number	12822901

APTER POWER SALES TEAM

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Technical Specifications

Technical values below are limited to the named Bently Nevada product record.

PARAMETER	TECHNICAL VALUE
official part-number form	128229-01
module role	Prox/Seismic I/O Module
termination	internal terminations
primary supported transducer	Seismoprobe
other supported inputs	Prox/Accel and Velomitor; not recommended as primary choices
Seismoprobe supply	6.82 V, 2.75 mA, 0.02 W
Prox/Accel supply	23.9 V, 45.5 mA, 1.09 W
Velomitor supply	23.9 V, 45.5 mA, 1.09 W
rack position	one full-height rear slot
operating temperature	-30 to +65 degC
storage temperature	-40 to +85 degC
humidity	95% noncondensing

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	3500/42M monitor module
Companion hardware	documented Seismoprobe or approved alternative transducer
Field connection	internal field terminations
Primary system function	Provides internal Prox/Seismic terminations
Controlled acceptance duty	Seismic vibration input



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System Role and Architecture

Bently Nevada 12822901 corresponds to official part-number form 128229-01, the 3500/42M Prox/Seismic I/O Module with internal terminations.

FUNCTION 1

Provides internal Prox/Seismic terminations

FUNCTION 2

Supports Seismoprobe inputs

FUNCTION 3

Matches the 3500/42M monitor

FUNCTION 4

Occupies one rear I/O position

Matched system components

- 3500/42M monitor module
- documented Seismoprobe or approved alternative transducer
- internal field terminations
- configured 3500 rack

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	3500/42M monitor module
Companion hardware	documented Seismoprobe or approved alternative transducer
Field connection	internal field terminations
Primary system function	Provides internal Prox/Seismic terminations
Controlled acceptance duty	Seismic vibration input



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Applications and Engineering Context

Seismic vibration input

Provides internal Prox/Seismic terminations

Internal field termination

Supports Seismoprobe inputs

3500/42M channel restoration

Matches the 3500/42M monitor

Prox Seismic I O replacement

Occupies one rear I/O position

TECHNICAL NOTE

The supplied model omits the hyphen used by the official part number. Confirm 128229-01 on the nameplate, preserve every transducer selection and terminal, and verify the required 3500 software compatibility.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	12822901 / 12822901 recorded
Physical interface	3500/42M monitor module
Companion check	documented Seismoprobe or approved alternative transducer
Functional proof	Provides internal Prox/Seismic terminations
Application test	Seismic vibration input



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Engineering Precautions

1

Verify the complete 12822901 marking and its assigned 3500/42M Proximitor Seismic Monitor position before work.

2

Place the connected seismic vibration input process in the approved maintenance state.

3

Isolate the documented power, signal and stored-energy sources before disconnecting the transducer or module.

4

Record every connector, cable route, shield, polarity, channel assignment and host configuration before removal.

5

Use ESD-safe handling and protect coaxial, terminal and keyed interfaces from contamination or mechanical damage.

RELATED BENTLY NEVADA PRODUCTS ON APTER POWER

BRAND + MODEL	RELATED PRODUCT	APTER POWER LINK
Allen-Bradley 1756 L63	Bently Nevada monitoring product	Open Bently Nevada page
Allen-Bradley 1757 BEM	Bently Nevada monitoring product	Open Bently Nevada page
Allen-Bradley 1756 L1M2	Bently Nevada monitoring product	Open Bently Nevada page
Allen-Bradley 1756 L61S	Bently Nevada monitoring product	Open Bently Nevada page
Allen-Bradley 1756 L55M13	Bently Nevada monitoring product	Open Bently Nevada page
Allen-Bradley 1756 L55M12	Bently Nevada monitoring product	Open Bently Nevada page
Bently Nevada 330171 00 12 05 01 05	Bently Nevada monitoring product	Open Bently Nevada page
ABB SDCS PIN H51	Bently Nevada monitoring product	Open Bently Nevada page
Siemens 6EP1434 2BA20	Bently Nevada monitoring product	Open Bently Nevada page
Bently Nevada 330171 00 33 50 01 05	Bently Nevada monitoring product	Open Bently Nevada page

MANUFACTURER SOURCE RECORD

3500/42M Proximitor Seismic Monitor Datasheet

143694 Rev. AE

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