

350500-00-00-00-11-00

350500 Dynamic Pressure Charge Amplifier

Bently Nevada 350500-00-00-00-11-00 is the documented 350500 Dynamic Pressure Charge Amplifier for the Bently Nevada 350500 dynamic pressure measurement system. It converts a compatible dynamic-pressure sensor charge signal into a conditioned voltage output.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada 350500 dynamic pressure measurement system
Part number	350500-00-00-00-11-00
Product role	Conditions dynamic-pressure charge signals
Lifecycle	Installed product record

DOCUMENT SCOPE

Exact-article identity, technical data, host role, installation checks, applications, precautions and engineering verification.

MODEL-SPECIFIC ENGINEERING NOTE

Match Bently Nevada 350500-00-00-00-11-00 to the documented host and mating interfaces, and record the as-found 350500 mounting and approval execution, connections, cable route, shielding and configuration. Restore the approved arrangement and verify diagnostics and controlled channel response before release.

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350500-00-00-00-11-00

Technical Specifications

Technical values below are limited to the named Bently Nevada product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Sensitivity	100 mV/psi +/-2% at 150 Hz	Supply	-19.6 to -26 V DC without barriers
Dynamic range	+/-50 psi peak	Maximum current	14.68 mA no load
Output resistance	50 ohm	Mounting	Panel or DIN rail

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	Bently Nevada 350500 dynamic pressure measurement system
Primary system role	Conditions dynamic-pressure charge signals
Connection boundary	Match Bently Nevada 350500-00-00-00-11-00 to the documented host and mating interfaces, and record the as-found 350500 mounting and approval execution, connections, cable route, shielding and configuration. Restore the approved arrangement and verify diagnostics and controlled channel response before release.
Controlled acceptance duty	Combustion dynamic-pressure monitoring

ENGINEERING BOUNDARY

Confirm Bently Nevada 350500-00-00-00-11-00, complete article suffix, installed host, mating components, mounting, connectors, cable route, wiring, shielding, grounding, monitor configuration and controlled functional-test results before commissioning.

Pre-Installation Checks

1	Confirm Bently Nevada 350500-00-00-00-11-00 and the complete installed article marking.	2	Place the monitored machine and protection channel in the approved maintenance state.
3	Isolate the affected circuit and apply ESD-safe handling.	4	Record the installed position, connectors, cable route, shielding and 350500 mounting and approval execution before removal.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	350500-00-00-00-11-00
Installed host	Bently Nevada 350500 dynamic pressure measurement system
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

Bently Nevada 350500-00-00-00-11-00 is the documented 350500 Dynamic Pressure Charge Amplifier for the Bently Nevada 350500 dynamic pressure measurement system. It converts a compatible dynamic-pressure sensor charge signal into a conditioned voltage output.

FUNCTION 1 Conditions dynamic-pressure charge signals	FUNCTION 2 Provides a documented 100 mV/psi output
FUNCTION 3 Supports panel or DIN-rail mounting	FUNCTION 4 Interfaces the sensor with monitoring electronics

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	Bently Nevada 350500 dynamic pressure measurement system
2	+/-50 psi peak
3	Combustion dynamic-pressure monitoring
4	Match Bently Nevada 350500-00-00-00-11-00 to the documented host and mating interfaces, and record the as-found 350500 mounting and approval execution, connections, cable route, shielding and configuration. Restore the approved arrangement and verify diagnostics and controlled channel response before release.

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Bently Nevada 350500 dynamic pressure measurement system
Interface role	Conditions dynamic-pressure charge signals
Field / power context	The article is installed only with the documented Bently Nevada 350500 dynamic pressure measurement system components. Commissioning preserves the exact suffix identity, physical interfaces, wiring, shielding, configuration and controlled response evidence.
Commissioning evidence	Complete a controlled response and alarm test before service release.

Installation and Connection Checks

1	Confirm the documented host, mating components and physical interfaces.	2	Restore the approved mounting, wiring, shielding and monitor configuration.
3	Review supply, bias, channel and monitor diagnostics after energization.	4	Complete a controlled response and alarm test before service release.

MANUFACTURER SOURCE RECORD 350500 Dynamic Pressure Charge Amplifier Datasheet Baker Hughes publication 145828 Rev. U

Applications and Engineering Context

Combustion dynamic-pressure monitoring

Conditions a compatible pressure-sensor signal for monitoring.

Gas-turbine pressure diagnostics

Provides conditioned dynamic-pressure output for diagnostic analysis.

Compressor pulsation monitoring

Interfaces a charge-output sensor with the monitoring channel.

Charge-amplifier replacement

Restores a documented panel or DIN-rail signal-conditioning position.

TECHNICAL NOTE

Match Bently Nevada 350500-00-00-00-11-00 to the documented host and mating interfaces, and record the as-found 350500 mounting and approval execution, connections, cable route, shielding and configuration. Restore the approved arrangement and verify diagnostics and controlled channel response before release.

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	350500-00-00-00-11-00 recorded
Host / carrier	Bently Nevada 350500 dynamic pressure measurement system
Physical interface	Conditions dynamic-pressure charge signals
Configuration	Review supply, bias, channel and monitor diagnostics after energization.
Functional proof	Complete a controlled response and alarm test before service release.

IMPORTANT NOTICE

Confirm Bently Nevada 350500-00-00-00-11-00, complete article suffix, installed host, mating components, mounting, connectors, cable route, wiring, shielding, grounding, monitor configuration and controlled functional-test results before commissioning.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	350500-00-00-00-11-00
Approved role	Combustion dynamic-pressure monitoring
Final validation	Complete a controlled response and alarm test before service release.

Engineering Precautions

1	Confirm Bently Nevada 350500-00-00-00-11-00 and the complete installed article marking.	2	Place the monitored machine and protection channel in the approved maintenance state.
3	Isolate the affected circuit and apply ESD-safe handling.	4	Record the installed position, connectors, cable route, shielding and 350500 mounting and approval execution before removal.
5	Confirm the documented host, mating components and physical interfaces.	6	Restore the approved mounting, wiring, shielding and monitor configuration.
7	Review supply, bias, channel and monitor diagnostics after energization.	8	Complete a controlled response and alarm test before service release.

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
Bently Nevada 330101-00-40-10-01-00	Related Apter Power product	View Bently Nevada 330101-00-40-10-01-00 page
Bently Nevada 330105-02-12-05-12-00	Related Apter Power product	View Bently Nevada 330105-02-12-05-12-00 page
Bently Nevada 330103-00-22-50-12-00	Related Apter Power product	View Bently Nevada 330103-00-22-50-12-00 page
Bently Nevada 330103-00-16-50-12-00	Related Apter Power product	View Bently Nevada 330103-00-16-50-12-00 page
Bently Nevada 330103-00-13-50-12-00	Related Apter Power product	View Bently Nevada 330103-00-13-50-12-00 page
Bently Nevada 330101-00-16-10-11-00	Related Apter Power product	View Bently Nevada 330101-00-16-10-11-00 page
Bently Nevada 330104-04-09-10-01-05	Related Apter Power product	View Bently Nevada 330104-04-09-10-01-05 page
Bently Nevada 330104-00-09-10-01-00	Related Apter Power product	View Bently Nevada 330104-00-09-10-01-00 page

MANUFACTURER SOURCE RECORD

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