

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.

BRAND	Bently Nevada	FAMILY	Bently Nevada 350500 dynamic pressure measurement system
PART	350500-00-00-00-11-00	SYSTEM ROLE	Conditions dynamic-pressure charge signals

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350500-00-00-00-11-00

MANUFACTURER SOURCE RECORD

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

Product Overview

SYSTEM FUNCTION

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

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	Bently Nevada 350500 dynamic pressure measurement system
Primary interface	Conditions dynamic-pressure charge signals
Engineering 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 duty	Complete a controlled response and alarm test before service release.

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.

Technical Data

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

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
Bently Nevada 330102-00-52-10-01-05	Related Apter Power product	View Bently Nevada 330102-00-52-10-01-05 page
Bently Nevada 330702-00-25-10-11-05	Related Apter Power product	View Bently Nevada 330702-00-25-10-11-05 page
Bently Nevada 31000-26-05-20-041-01-02	Related Apter Power product	View Bently Nevada 31000-26-05-20-041-01-02 page
Bently Nevada 330881-16-11-165-07-02	Related Apter Power product	View Bently Nevada 330881-16-11-165-07-02 page
Bently Nevada 21000-28-05-00-130-04-02	Related Apter Power product	View Bently Nevada 21000-28-05-00-130-04-02 page
Bently Nevada 330880-16-00-021-03-02	Related Apter Power product	View Bently Nevada 330880-16-00-021-03-02 page
Bently Nevada 330901-00-14-10-02-00	Related Apter Power product	View Bently Nevada 330901-00-14-10-02-00 page
Bently Nevada 330901-00-32-10-02-00	Related Apter Power product	View Bently Nevada 330901-00-32-10-02-00 page

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.

Applications and Precautions

Common Applications

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.

Product 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.

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.

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	350500-00-00-00-11-00
Configuration	Review supply, bias, channel and monitor diagnostics after energization.
Functional release	Complete a controlled response and alarm test before service release.

Engineer FAQ

Q1 How should amplifier identity be verified for Bently Nevada 350500-00-00-00-11-00?

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.

Q3 What must be preserved for negative supply when servicing Bently Nevada 350500-00-00-00-11-00?

Record the installed position, connectors, cable route, shielding and 350500 mounting and approval execution before removal.

Q5 What official check applies to DIN/panel mounting for Bently Nevada 350500-00-00-00-11-00?

Confirm the documented host, mating components and physical interfaces.

Q7 Which diagnostic confirms dynamic-pressure test for Bently Nevada 350500-00-00-00-11-00?

Review supply, bias, channel and monitor diagnostics after energization.

Q2 Which record controls charge-input wiring on Bently Nevada 350500-00-00-00-11-00?

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.

Q4 How is 100 mV/psi output isolated before work on Bently Nevada 350500-00-00-00-11-00?

Place the monitored machine and protection channel in the approved maintenance state. Isolate the affected circuit and apply ESD-safe handling.

Q6 How is shielding restored after fitting Bently Nevada 350500-00-00-00-11-00?

Restore the approved mounting, wiring, shielding and monitor configuration.

Q8 What proves acceptance evidence is accepted for Bently Nevada 350500-00-00-00-11-00?

Complete a controlled response and alarm test before service release.

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