

350500-00-00-00-11-00

350500 Dynamic Pressure Charge Amplifier

INSTALLATION, INTERFACE AND VALIDATION WORKBOOK

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.

STEP	GATE	ENGINEERING PURPOSE
01	IDENTIFY	Confirm article, host and hardware
02	ISOLATE	Secure power and stored energy
03	CONNECT	Restore documented interfaces
04	VALIDATE	Prove diagnostics and function

WORKBOOK PURPOSE

Field-ready identity, isolation, connection, commissioning and closeout records for this exact Bently Nevada article.

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Installation Readiness Gate

Complete the identity, host-system and isolation checks before disturbing the installed hardware.

- 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.

Pre-Work Evidence

EVIDENCE ITEM	RECORDED VALUE
Complete article marking	350500-00-00-00-11-00
Host / carrier	Bently Nevada 350500 dynamic pressure measurement system
Primary system role	Conditions dynamic-pressure charge signals
Acceptance boundary	Complete a controlled response and alarm test before service release.
Source record	350500 Dynamic Pressure Charge Amplifier Datasheet

WORK AUTHORIZATION RECORD

Work order: _____

Drawing / revision: _____

Checked by: _____

Date: _____

Isolation and Access Register

CONTROL POINT	ENGINEER RECORD
Incoming supply	Isolated / proved
Stored energy	Discharged / proved
Field connections	Identified / protected
ESD control	Established / recorded

Pre-Work Documentation

DOCUMENT	ENGINEER RECORD
Connection photograph	Reference / file
Configuration backup	Reference / revision
Diagnostic baseline	Reference / result

Connection and Installation Sequence

INSTALLATION PRINCIPLE

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.

- 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.

Connection Record

CONNECTION GROUP	AS-FOUND / AS-LEFT RECORD	STATUS
Power / field connection	Reference / terminal	Checked
Signal / interface	Reference / connector	Checked
Ground / shield	Reference / point	Checked
Accessory / carrier	Reference / part	Checked

MODEL-SPECIFIC RELEASE LIMIT

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.

Interface Acceptance Criteria

ACCEPTANCE ITEM	REQUIRED EVIDENCE
Identity	350500-00-00-00-11-00
Host match	Bently Nevada 350500 dynamic pressure measurement system
Connection proof	Restore the approved mounting, wiring, shielding and monitor configuration.
Configuration proof	Review supply, bias, channel and monitor diagnostics after energization.

Commissioning and Acceptance Record

Record each controlled verification step before the equipment returns to automatic operation.

NO.	ACCEPTANCE CHECK	RESULT	RECORD
1	Article and host identity	PASS / FAIL	Initial / date
2	Mechanical installation	PASS / FAIL	Initial / date
3	Power and field wiring	PASS / FAIL	Initial / date
4	Grounding and shielding	PASS / FAIL	Initial / date
5	Configuration restoration	PASS / FAIL	Initial / date
6	Signal or power-path response	PASS / FAIL	Initial / date
7	Diagnostics and alarms	PASS / FAIL	Initial / date
8	Final functional release	PASS / FAIL	Initial / date

Engineering Notes

RECORD AREA	ENGINEER ENTRY
As-found condition	
Corrective action	
As-left configuration	
Outstanding restriction	
Release authorization	

CONTROLLED COMMISSIONING

Complete a controlled response and alarm test before service release.

Diagnostics and Release Log

EVENT	ENGINEERING RECORD
Initial energization	Result / observation
Interface or signal response	Result / observation
Alarm and diagnostic review	Result / observation
Functional release	Name / date

ACCEPTANCE AND RELEASE EVIDENCE

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.

Maintenance Verification and Closeout

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.

Related Engineering Pages

MODEL	ENGINEERING ROLE	APTER POWER PAGE
Bently Nevada 330180-X1-05-MOD-145004-15	Related Apter Power product	View Bently Nevada 330180-X1-05-MOD-145004-15 page
Bently Nevada 330180-X1-05-MOD-145004-94	Related Apter Power product	View Bently Nevada 330180-X1-05-MOD-145004-94 page
Bently Nevada 990-05-XX-01-00-MOD-289549-17	Related Apter Power product	View Bently Nevada 990-05-XX-01-00-MOD-289549-17 page
Bently Nevada 330180-X2-05-MOD-163358-02	Related Apter Power product	View Bently Nevada 330180-X2-05-MOD-163358-02 page
Bently Nevada 200150-14-CN	Related Apter Power product	View Bently Nevada 200150-14-CN page
Bently Nevada 200151-20-03-00	Related Apter Power product	View Bently Nevada 200151-20-03-00 page
Bently Nevada 200151-60-03-00	Related Apter Power product	View Bently Nevada 200151-60-03-00 page
Bently Nevada 330902-00-90-10-01-05	Related Apter Power product	View Bently Nevada 330902-00-90-10-01-05 page

MANUFACTURER SOURCE RECORD

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

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