

WESTINGHOUSE 1X00188H01

HART Output Cavity Insert

WESTINGHOUSE 1X00188H01 is a molded cavity insert for the four-channel Ovation high-performance HART analog-output subsystem using 4-20 mA signals.

01 Molded personality-position insert	02 Four 4-20 mA HART output channels	03 5X00167G01 electronics pairing	04 High-performance 16-bit output subsystem
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System position

Ovation output command	5X00167G01 HART electronics	1X00188H01 wiring insert	Four field current loops
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Product and release scope

Exact identity WESTINGHOUSE 1X00188H01 is retained without shortening its suffix.	Engineering use WESTINGHOUSE 1X00188H01 does not perform the analog conversion itself; it identifies and protects the wiring position used by the high-performance HART output electronics. Replacement work must therefore preserve the exact loop assignment and the 5X00167G01 pairing.	Verification boundary Only exact-model or explicitly applicable family facts are populated.	Acceptance Connections, configuration, function and safe response require recorded proof.
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Verified technical matrix

Product class	Molded cavity insert	Output conversion	16 bit
Subsystem	HART high-performance analog output	Channel isolation	Galvanically isolated outputs
Channel count	4	Paired electronics	5X00167G01
Signal range	4-20 mA	Installed position	Personality-module cavity

Interface architecture

Mechanical boundary	Wiring label	Electronics pairing	Field boundary
Fits the personality-module position of the Ovation base	Identifies the terminal connections for four field output loops	Used with the 5X00167G01 high-performance HART output module	Four isolated 4-20 mA/HART output circuits

Control path

Ovation output command	5X00167G01 HART electronics	1X00188H01 wiring insert	Four field current loops
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Technical service focus

H1	H2	H3	H4
Molded personality-position insert	Four 4-20 mA HART output channels	5X00167G01 electronics pairing	High-performance 16-bit output subsystem

Use cases with controlled scope

HART control outputs Supports the wiring boundary for four smart-device output loops.	Valve or actuator commands Carries the installed current-loop assignments controlled by the paired electronics.	Cavity-insert replacement Restores the field-wiring identification and connector protection at the personality position.	Loop commissioning Provides a visible reference for tracing output channel, return and field-device wiring.
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INTEGRATION CHECKPOINTS

Identity WESTINGHOUSE 1X00188H01 remains complete in purchasing, drawings and labels.	Host system Installed position and surrounding hardware are verified before exchange.	Configuration Project data, jumpers, wiring and settings are recorded as applicable.	Acceptance Functional and safe-state evidence is captured before release.
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Installation decision points

1 Place all affected analog outputs in a controlled safe state before handling WESTINGHOUSE 1X00188H01.	2 Verify that the installed electronics module is 5X00167G01 and that the complete H01 insert identity matches.	3 Photograph the insert label and all four loop assignments before disconnecting field wiring.	4 Do not treat the molded insert as an electronics module; keep the associated 5X00167G01 identity in the work record.
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System relationship

Ovation output command	5X00167G01 HART electronics	1X00188H01 wiring insert	Four field current loops
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FAQ decision matrix

Engineering decision	Controlled response
What is WESTINGHOUSE 1X00188H01?	It is the molded cavity insert used in the personality-module position of a high-performance HART analog-output subsystem.
How many loops are associated with WESTINGHOUSE 1X00188H01?	The applicable subsystem has four analog-output channels.
Which output range applies to WESTINGHOUSE 1X00188H01?	The field loops use 4-20 mA signals.
Which electronics module pairs with WESTINGHOUSE 1X00188H01?	The documented pairing is 5X00167G01.

Eight release precautions

1 Place all affected analog outputs in a controlled safe state before handling WESTINGHOUSE 1X00188H01.	2 Verify that the installed electronics module is 5X00167G01 and that the complete H01 insert identity matches.	3 Photograph the insert label and all four loop assignments before disconnecting field wiring.	4 Do not treat the molded insert as an electronics module; keep the associated 5X00167G01 identity in the work record.
5 Preserve channel polarity, shield termination and segregation from switching-power conductors.	6 Inspect the molded guides, label, connector opening and base terminals for damage before installation.	7 Reconnect one loop at a time and verify current direction before enabling the output command.	8 Commission each used channel with commanded 4-20 mA points and confirm HART communication where the field device uses it.

Product verification and contact

Evidence applicability

Evidence record	Applicable scope
Ovation I/O Reference Manual OW350_R1150, HART high-performance analog-output subsystem table	Supports only the exact-model or explicitly applicable family facts used in this document.
Ovation standard I/O cavity-insert and wiring-label description	Supports only the exact-model or explicitly applicable family facts used in this document.

Related Apter Power references

Related Apter Power references	Scope note
WESTINGHOUSE 1C31192G01	Portfolio reference only; verify compatibility independently.
WESTINGHOUSE 1C31223G01	Portfolio reference only; verify compatibility independently.
WESTINGHOUSE 1C31238H01	Portfolio reference only; verify compatibility independently.

	Apter Power technical support sales13@apterpower.com +86 180 3023 5313 www.apterpower.com	Model record WESTINGHOUSE 1X00188H01 HART Output Cavity Insert Verify the complete nameplate before installation.
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