

IS200VSVOH1B

Servo Control Board

General Electric IS200VSVOH1B is a VSVO servo control board for the Mark VI turbine control system. It provides four bidirectional servo-current channels together with LVDT position feedback, LVDT excitation and pulse-rate input processing.

IDENTITY	VERIFIED VALUE
Manufacturer	General Electric
Complete model	IS200VSVOH1B
Product role	Servo Control Board
System family	Mark VI Turbine Control
Country of origin	USA

DOCUMENT SCOPE

Exact identity, verified technical data, installation checks, applications, precautions and controlled acceptance records for this model.

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Technical Specifications

PARAMETER	VERIFIED VALUE
Catalog number	IS200VSVOH1B
Board designation	VSVO
System family	Mark VI turbine control
Servo channels	Four bidirectional current-output channels
Position feedback	LVDT feedback with excitation
Terminal-board links	J3 and J4 to TSVO terminal boards
Pulse-rate interface	Front-panel J5 connection
Diagnostics	Servo voltage, current and output-relay status monitoring
Installation	VME processor rack
Country of origin	USA

System Role and Core Functions

General Electric IS200VSVOH1B is a VSVO servo control board for the Mark VI turbine control system. It provides four bidirectional servo-current channels together with LVDT position feedback, LVDT excitation and pulse-rate input processing.

FUNCTION 1 Four bidirectional servo-current channels	FUNCTION 2 LVDT position feedback and excitation
FUNCTION 3 Pulse-rate input processing	FUNCTION 4 Per-channel output protection and diagnostics

Common Applications

APPLICATION	ENGINEERING CONTEXT
Turbine valve positioning	Controls documented electrohydraulic servo valves through the Mark VI servo architecture.
LVDT feedback processing	Receives valve-position feedback from the associated TSVO terminal boards.
Flow pulse measurement	Processes approved active pulse-rate inputs through the documented front-panel connection.
Servo-loop diagnostics	Monitors output voltage, current and protective relay status for each configured loop.

Engineering Precautions

- Verify the complete IS200VSVOH1B marking and H1B revision.
- Place the turbine and Mark VI control in the approved maintenance state.
- Record the VME rack slot and J3, J4 and J5 connections.
- Back up regulator, monitor and LVDT configuration values.
- Power down the VME processor rack before board removal.
- Use ESD controls and seat the edge connectors evenly.
- Do not interchange TSVO cables or servo-loop assignments.
- Verify diagnostics, LVDT feedback and controlled servo response before release.

MODEL-SPECIFIC BOUNDARY

Record the complete IS200VSVOH1B marking, VME rack position, J3/J4 terminal-board cables, J5 pulse-rate connection and servo configuration before removal. Power down the rack, use ESD controls and verify diagnostics and each servo loop before release.

Model-Specific FAQ

QUESTION	ANSWER
What is GE IS200VSVOH1B?	It is a VSVO servo control board for the Mark VI turbine control system.
How many servo channels are provided?	GE's Mark VI guide describes four bidirectional servo-current output channels on the VSVO board.
What feedback does VSVO process?	It processes LVDT valve-position feedback and provides the documented LVDT excitation path through TSVO terminal boards.
Which connectors link VSVO to the terminal boards?	J3 and J4 connect the VSVO board to the associated TSVO terminal boards.
What is connected at J5?	The Mark VI guide identifies the front-panel J5 interface for the documented pulse-rate inputs.
What diagnostics are monitored?	The board monitors servo output voltage, current and the status of each channel's protective output relay.
How is the board installed?	With the VME rack powered down, the board is seated in its documented slot, secured by its levers and captive screws, and then the rack diagnostics are checked.
What confirms successful commissioning?	Board diagnostics are clear and each approved servo loop shows credible LVDT feedback and controlled output response.

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