IS200VSVOH1BDC IS200VSVOH1B

Servo Control VME Board

Complete product-page dossier for buyer review, technical screening and quotation preparation.

01 Product overview

IS200VSVOH1BDC IS200VSVOH1B regulates four electrohydraulic servo loops against LVDT feedback and also processes six configured pulse-rate inputs.

Closed-loop valve positioning

Servo commands are regulated against LVDT position feedback.

Four-channel actuation

The board supports multiple hydraulic actuator loops with independent configuration.

Pulse-rate acquisition

Speed-related pulse inputs complement servo regulation in the documented architecture.

IS200VSVOH1BDC IS200VSVOH1B is the complete supplied marking for a Mark VI VSVO servo control board. The architecture combines four servo channels, LVDT feedback and six pulse-rate inputs.

Stable operation depends on the matched TSVO terminal board, servo polarity, LVDT excitation and scaling, hydraulic condition and project regulator settings. Adjacent VSVO revisions are not assumed equivalent.

Before exchange, secure actuators and export regulator data, calibration and feedback baselines. Commission with polarity, null-current, limited-stroke and closed-loop response checks under an approved turbine procedure.

02 Buyer identity

Manufacturer part number	IS200VSVOH1BDC IS200VSVOH1B
Product type	Servo Control VME Board
System / platform	GE Mark VI turbine control
Lifecycle statement	Installed-base Mark VI servo control board

03 Published technical data

Servo channels	4
Position feedback	LVDT inputs

Pulse-rate inputs	Six pulse-rate channels in the VSVO architecture
Terminal-board relationship	TSVO servo terminal board

Rack interface	VME backplane
Redundancy support	Simplex or TMR by project configuration

04 Applications / compatibility

Steam-valve positioning

Regulate electrohydraulic actuators with LVDT feedback.

Fuel-valve control

Drive configured servo loops under turbine logic.

Actuator position monitoring

Acquire redundant LVDT feedback channels.

Pulse-rate measurement

Process documented speed-related pulse signals.

05 Product precautions

Secure hydraulic actuators

Prevent uncontrolled valve travel.

Export regulator settings

Retain gains, limits and polarity.

Record LVDT wiring

Preserve excitation, feedback and redundancy.

Match the TSVO execution

Confirm terminal-board compatibility.

Prove servo polarity at low authority

Use a restricted stroke test first.

Record null and stroke results

Retain acceptance evidence.

06 Lifecycle, available unit and technical notes

Lifecycle Status

Installed-base Mark VI servo control board. Secure the actuator, restore the verified regulator data and TSVO relationship, then use a low-authority motion test before enabling normal travel.

Available Unit Details

Offered reference: GE IS200VSVOH1BDC IS200VSVOH1B. Compare H1BDC and H1B markings, VME slot, four servo assignments, LVDT wiring, TSVO execution and pulse-input map. Confirm the servo-control board and only the terminal-board, cable or connector items explicitly quoted in the quotation.

Technical notes

Regulator-data archive: Save gains, current limits, null current, travel limits and pulse-input assignments before exchange. Feedback-polarity control: Verify LVDT excitation, scaling and direction with hydraulic motion restricted. Limited-stroke acceptance: Prove null, controlled travel, closed-loop response and diagnostic status before full-authority operation.

07 Engineering FAQ

How many servo channels are associated with IS200VSVOH1BDC IS200VSVOH1B?	The Mark VI VSVO architecture provides four servo-control channels.
Why must LVDT polarity be checked for IS200VSVOH1BDC IS200VSVOH1B?	Reversed feedback can drive the regulator away from the commanded position instead of closing the loop.
Which companion terminal board is required by IS200VSVOH1BDC IS200VSVOH1B?	Confirm the installed TSVO execution, cable set and redundancy arrangement before replacement.
What should be recorded before removing IS200VSVOH1BDC IS200VSVOH1B?	Save regulator gains, current limits, LVDT scaling, null current, valve position and pulse-input assignments.
How should first motion be controlled after installing IS200VSVOH1BDC IS200VSVOH1B?	Use an approved low-authority or limited-stroke procedure with the actuator and hydraulic system supervised.
What can cause servo instability with IS200VSVOH1BDC IS200VSVOH1B?	Incorrect polarity, poor LVDT signal, hydraulic friction, wrong gains or cabling faults can destabilize the loop.
Why is H1BDC retained in the identity of IS200VSVOH1BDC IS200VSVOH1B?	It is the complete supplied revision marking and is not replaced by the shorter family name.
Which polarity, null and limited-stroke results confirm IS200VSVOH1BDC IS200VSVOH1B?	Retain correct feedback direction, stable null current, restricted-travel response, closed-loop stability, pulse-input checks and clear diagnostics.

08 Quotation and handover

Match the complete marking	Match IS200VSVOH1BDC IS200VSVOH1B, revision and visible labels.
Review the reference	Send the complete IS200VSVOH1BDC IS200VSVOH1B marking, label photos and required quantity.
Confirm the offer	Review the offered revision, condition, included items and documents for IS200VSVOH1BDC IS200VSVOH1B.
Arrange dispatch	Confirm quantity, dispatch date and delivery details for IS200VSVOH1BDC IS200VSVOH1B in the quotation.

09 Separate verified listings

Emerson PR6423/10R-010 CON021
Eight-Millimetre Eddy-Current Sensor and Converter Assembly; separate listing, not an automatic substitute.

HIMA Z7127
Eight-Channel Analog Input Front Cable Plug; separate listing, not an automatic substitute.

Request current photographs and written quotation details from Apter Power.
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Quote the complete reference: IS200VSVOH1BDC IS200VSVOH1B