MARK VI TSVO SERVO INTERFACE

Product Data Sheet

IS200TSVOH1BBB

Servo Valve Terminal Board

SERVO VALVE OUTPUT CAPACITY	LVDT WINDING INPUT CAPACITY	LVDT EXCITATION ALLOCATION	PULSE-RATE INPUT ALLOCATION
2 per TSVO	**6 per TSVO**	**4 sources per TSVO**	**2 per TSVO, 2 total per VSVO**

General Electric IS200TSVOH1BBB is a servo valve terminal board in the Mark VI TSVO Servo Interface family. It serves compatible installed control equipment in the documented system configuration.

01 VERIFIED TECHNICAL DATA

Servo valve output capacity	2 per TSVO
LVDT winding input capacity	6 per TSVO
LVDT excitation allocation	4 sources per TSVO
Pulse-rate input allocation	2 per TSVO, 2 total per VSVO
Pulse-transducer excitation	2 sources
Documented nominal supply	24 V DC
LVDT excitation frequency	3.2 ±0.2 kHz
LVDT excitation voltage	7.00 ±0.14 V rms
LVDT measurement accuracy	1% with 14-bit conversion
Servo output accuracy	2% with 12-bit conversion

Values follow the unit photographs and applicable documents identified on page 2.

02 ADDITIONAL PRODUCT DATA

Loop sample rate	200 Hz
LVDT filter breaks	3 breaks at 50 rad/s ±15%
Pulse-rate accuracy	0.05% with 16-bit conversion at 50 Hz
LVDT common-mode rejection	60 dB at 50/60 Hz, 1 V CMR
PSVOH1A compatibility	Not supported on TSVOH1B

03 DOCUMENTED USE SETTINGS

Electric Power and Industrial Cogeneration Production: Thermal Electric Power Generation.

Oil and Natural Gas Production: Natural Gas Processing Production.

Chemical Manufacturing and Continuous Process Production: Chemical Manufacturing and Processing.

04 SYSTEM COMPATIBILITY

Match IS200TSVOH1BBB to the documented Mark VI TSVO Servo Interface arrangement. Confirm the supplied execution, connections and required companion equipment before integration.

05 PRODUCT EVIDENCE

Original GEH-6421M VSVO section, per-TSVO data p.363 and TSVO section p.369; GEH-6721G p.452 exclusion

AMIKON PRODUCT SUPPORT

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