OVATION HART ANALOG OUTPUT

Product Data Sheet

5X00062G01

HART analog output electronics module

OUTPUT CHANNELS	CONTROL SIGNAL	D/A RESOLUTION	CHANNEL UPDATE INTERVAL
8 multiplexed channels	**4 to 20 mA**	**14 bits**	**24 ms per channel**

Westinghouse 5X00062G01 is the electronics portion of the Ovation eight-channel HART analog output assembly. It generates multiplexed 4 to 20 mA signals and exchanges HART digital information with compatible output devices through the same field loops.

01 VERIFIED TECHNICAL DATA

Output channels	8 multiplexed channels
Control signal	4 to 20 mA
D/A resolution	14 bits
Channel update interval	24 ms per channel
Accuracy over temperature	0.25% of span
Field-to-logic isolation	1000 V AC/DC for 1 minute
Channel-to-channel isolation	None; common auxiliary supply and ground
Output compliance	20 mA into 700 ohm at 21.6 V DC
Microcontroller clock	16 MHz
Main supply power	24 V DC; 1.2 W typical, 2.5 W maximum

Values follow the applicable manufacturer documents identified on page 2.

02 ADDITIONAL PRODUCT DATA

Auxiliary supply	24 V DC, -5% / +6.25%
Auxiliary power demand	6 W typical; 7.2 W maximum
Open-loop diagnostics	8 pass/fail bits in register 0xC
Operating temperature	0 to 60 °C
Relative humidity	0 to 95%, non-condensing

03 DOCUMENTED USE SETTINGS

Thermal Electricity and Hydroelectric Power Generation: Combined-Cycle Power Generation.

Municipal Water Supply and Industrial Wastewater Treatment: Drinking Water Treatment.

Renewable Electricity and Low-Carbon Energy Development: Solar Power Generation.

04 SYSTEM COMPATIBILITY

Install the electronics module with its matching HART personality module and the applicable CE or non-CE terminal arrangement. The eight channels share the external 24 V auxiliary supply; the supply budget must cover the field-side demand independently of the main logic supply.

05 PRODUCT EVIDENCE

Emerson Ovation HART 8-Channel Analog Output PWS_010205 [3]

AMIKON PRODUCT SUPPORT

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