OVATION HIGH-DENSITY ANALOG INPUT

Product Data Sheet

5X00502G01

Analog input personality module

FIELD CURRENT CHANNELS	TRANSMITTER ARRANGEMENTS	COMPANION ELECTRONICS	FOUR-SLOT BASE REQUIREMENT
16 in the paired assembly	**Two-wire and four-wire**	**5X00501G01**	**5X00497G01**

Emerson 5X00502G01 is the personality module used with 5X00501G01 sixteen-channel analog input electronics. It provides the field connections for the documented two-wire and four-wire 4 to 20 mA input arrangements on a 5X00497G01 four-slot Ovation I/O base.

01 VERIFIED TECHNICAL DATA

Field current channels	16 in the paired assembly
Transmitter arrangements	Two-wire and four-wire
Companion electronics	5X00501G01
Four-slot base requirement	5X00497G01
Nominal loop signal	4 to 20 mA
Loop supply capability	19.18 V at 20 mA in two-wire operation
Per-channel current limiting	26.5 mA
Input resistance of paired assembly	130 ohm +/-0.1%
Two-wire auxiliary consumption	8.16 W typical; 9.38 W maximum
Four-wire auxiliary consumption	0.48 W typical; 0.56 W maximum

Values follow the applicable manufacturer documents identified on page 2.

02 ADDITIONAL PRODUCT DATA

Field-to-logic isolation of assembly	1000 V AC/DC
Assembly thermal dissipation	1.69 W typical; 1.94 W maximum

03 DOCUMENTED USE SETTINGS

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

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

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

04 SYSTEM COMPATIBILITY

The original REF_1150 combination table lists 5X00502G01 for both two-wire and four-wire service with 5X00501G01. It separately identifies the 1X00692H01 cavity-insert option for two-wire-only service. These two items should not be reversed when selecting a spare interface.

05 PRODUCT EVIDENCE

Emerson Ovation I/O Reference Manual REF_1150, October 2011, section 4.8

AMIKON PRODUCT SUPPORT

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