CONTROLEDGE HC900

Product Data Sheet

900A16-0103

16-channel High-level Analog Input Module

ANALOG INPUT CHANNELS	VOLTAGE INPUT RANGES	CURRENT INPUT RANGES	VOLTAGE INPUT IMPEDANCE
16, isolated	**0-1, 0-2, 0-5, 0-10, 1-5 and +/-1, +/-2, +/-5, +/-10 V**	**0-20 and 4-20 mA**	**Greater than 1 megohm**

Honeywell 900A16-0103 is a 16-channel high-level analog input module for compatible HC900 and ControlEdge controller configurations. It acquires industrial voltage and current signals for the host control application.

01 VERIFIED TECHNICAL DATA

Analog input channels	16, isolated
Voltage input ranges	0-1, 0-2, 0-5, 0-10, 1-5 and +/-1, +/-2, +/-5, +/-10 V
Current input ranges	0-20 and 4-20 mA
Voltage input impedance	Greater than 1 megohm
Current input impedance	250 ohm
Channel-to-channel isolation	400 V DC
Field-to-logic isolation	1000 V DC
A/D resolution	+/-15 bits
Update interval	100 ms
Factory voltage accuracy	+/-0.1% full scale

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

02 ADDITIONAL PRODUCT DATA

Factory current accuracy	+/-0.15% full scale, including resistor
Temperature accuracy coefficient	+/-0.01% full scale per deg C
Series-mode noise rejection	Greater than 31 dB
Common-mode noise rejection	Greater than 90 dB at 120 V AC
Typical power consumption	2.2 W

03 DOCUMENTED USE SETTINGS

Industrial Heat Treatment and Thermal Processing: Industrial Furnace Heat Treatment.

Chemical Manufacturing and Process Production: Industrial Chemical Production Processes.

Electricity Generation and Energy Production: Thermal Power Generation Processes.

04 SYSTEM COMPATIBILITY

Integrate 900A16-0103 as the documented 16-channel high-level analog input module in its compatible ControlEdge HC900 configuration. Match the complete product label, connection arrangement and installed hardware revision before making changes.

05 PRODUCT EVIDENCE

ControlEdge HC900 16-channel High-level Analog Input Module; applicable manufacturer document pages 1, 23, 24, 63, 64, 75

AMIKON PRODUCT SUPPORT

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