

Yokogawa AAI143-H53/K4A00 Manual

Brand	Yokogawa
Product Series	Yokogawa
Product Type	Analog Input Module

Description

Product Number: AAI143-H50/K4A00

Model: Analog Input Module

Manufacturer: Yokogawa

Model and Suffix Codes

Model: AAI143 - Analog Input Module (4 to 20 mA, 16-channel, Isolated)

Suffix Codes:

-H: With digital communication (HART protocol)

5: With no explosion protection

3: With ISA Standard G3 option and temperature (-20 to 70 °C) option

Option Codes: /K4A00 - With KS Cable Interface Adapter (For connecting AEA4D Terminal Board) [Model: ATK4A-00]

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K4A00 : With KS Cable Interface Adapter (For connecting AEA4D Terminal Board) [Model: ATK4A-00]

Number of input channels : 16, isolated

Input signal : 4 to 20 mA

Allowable input current : 24 mA

Withstanding voltage : Between input and system: 1500 V AC, for 1 minute

Input resistance

Power ON : 270 Ω (20 mA) to 350 Ω (4 mA)

Power OFF : 500 kΩ or larger

Accuracy : $\pm 16 \mu\text{A}$

Data update period : 10 ms

Transmitter power supply : 19.0 V or higher (at 20 mA) 25.5 V or less (at 0 mA) (output current limit: 25 mA)

Setting of 2-wire or 4-wire transmitter : For each channel by setting pin

Drift due to ambient temperature change : $\pm 16 \mu\text{A}/10^\circ\text{C}$

Maximum current consumption : 230 mA (5 V DC), 540 mA (24 V DC)

External communication : Pressure clamp terminal, MIL connector cable, dedicated cable (KS1)

Weight : 0.3 Kg

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