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Data Sheet

August 13, 2026

SCHNEIDER ELECTRIC / INVENSYS / FOXBORO

Schneider Electric / Invensys / Foxboro P0400DA 0-20 MA Input Module

Foxboro P0400DA FBM01 0 to 20 mA Analog Input Interface Module The Foxboro P0400DA is the I/A Series 100 Series Field Bus Module FBM01 analog input interface. It contains eight 20 mA dc analog input channels. Each channel accepts a 2-wire analog sensor input such as a 4 to 20 mA transmitter or a self-powered 20 mA source. The module performs the signal conversion required to interface field sensors to the redundant Fieldbus. It is a main-type module and independently connects to the redundant Fieldbus. The Foxboro P0400DA is the I/A Series 100 Series Field Bus Module FBM01 analog input interface. It contains eight 20 mA dc analog input channels. Each channel accepts a 2-wire analog sensor input such as a 4 to 20 mA transmitter or a self-powered 20 mA source. The module performs the signal conversion required to interface field sensors to the redundant Fieldbus. It is a main-type module and independently connects to the redundant Fieldbus. Foxboro I/A Series DCS analog acquisition of 0 to 20 mA / 4 to 20 mA transmitters for pressure, flow, level, and temperature loops; replacement of legacy 100 Series analog input FBMs; process plants retaining 100 Series I/O carriers.



MODEL

**Schneider Electric
/ Invensys /
Foxboro P0400DA**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

P0400DA

LISTING

<https://aumictechlabs.com/products/p0400da-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Schneider Electric/Invensys/Foxboro P0400DA is an 8-channel analog input module engineered to acquire and convert 0–20 mA current signals into digital format for Foxboro I/A Series control systems. It accepts 2-wire analog sensor inputs compatible with 4–20 mA transmitters and self-powered 20 mA sources, delivering $\pm 0.1\%$ accuracy with noise suppression below 0.1% of full scale. The module operates on 24 VDC and integrates independently with redundant Fieldbus infrastructure for reliable real-time data transmission across industrial automation environments.

Technical Specifications
Channels: 8 Input Range: 0–20 mA Signal Type: 2-wire analog input Accuracy: $\pm 0.1\%$ of full scale Noise Floor: $< 0.1\%$ of full scale Response Time: < 2 seconds Power Supply: 24 VDC Operating Temperature: -40 to 80°C Weight: 210 g Fieldbus Interface: FBM01

Key Features
Converts analog signals to digital for Fieldbus communication Configurable analog input resolution on per-module basis Fieldbus switching enable and switching time adjustments 2-wire sensor compatibility simplifies field deployment Low-noise signal conditioning ensures measurement fidelity Fast response time supports dynamic process monitoring

Typical Applications
Industrial process control and data acquisition Pressure, temperature, and flow measurement interfaces Transmitter signal conditioning in distributed I/O architectures Real-time analog monitoring in manufacturing automation

Compatibility & Integration
The P0400DA integrates with Foxboro I/A Series controllers and the InFusion Enterprise Control System. Direct Fieldbus connectivity enables distributed intelligence across control networks while maintaining signal integrity in harsh industrial environments.

Features & description

From manufacturer datasheet

Features

- Eight 0 to 20 mA dc analog input channels
- 2-wire transmitter or self-powered 20 mA source per channel
- Main-type FBM independently on redundant Fieldbus
- Configurable analog input resolution (per module), Fieldbus switching enable, and Fieldbus switching time
- Withstands 600 V ac for one minute between any channel and earth or between channels
- Successor path is Compact/standard 200 Series FBM201 for new I/O

P0400DA Characteristics / Specifications

PARAMETER	VALUE
Model	P0400DA
Manufacturer	Foxboro (Invensys / Schneider Electric)
Instrument Type	Analog Input Field Bus Module
Series	I/A Series 100 Series FBM
Alias	P0400DA; FBM01; FBM 01
Module Function	FBM01 0 to 20 mA Input Interface
Channel Count	8 analog input channels
Input Range	0 to 20 mA dc
Accepted Field Devices	2-wire analog sensors including 4 to 20 mA transmitters or self-powered 20 mA sources
Module Class	main type; independently connects to redundant Fieldbus
Application Program	Analog Input
Configurable Options	Analog Input Resolution (per module); Fieldbus Switching Enable; Fieldbus Switching Time
Isolation Withstand	600 V ac for one minute between any channel and earth (ground) or betweenagiven channel and any other channel
System Platform	Foxboro I/A Series DCS
I/O Generation	100 Series Field Bus Module
Fieldbus Role	redundant Fieldbus interface from field analog loops to CP/FCP
Typical Transmitter Loop	4 to 20 mA two-wire
Self Powered Source	20 mA source accepted
Channel Type	analog current input
Module Orientation	plug-in FBM on 100 Series mounting structure
Replacement Family	Compact FBM201 / FBM201e 0 to 20 mA (200 Series) for new designs
Isolation Style	channel to earth and channel to channel (600 V ac 1 min withstand)
Status Indication	module operational status via I/A Series FBM indicators (family)

PARAMETER	VALUE
Mounting	I/A Series 1×8 FBM mounting structure / industrial and field enclosures (100 Series)
Country Of Origin Catalog	United States
Packing Size Typical	6.4 in x 6.4 in x 4.8 in shipping carton (reseller)
Module Size Typical	5.1 in x 2.8 in x 6 in (reseller listing)
Gross Weight Typical	about 1 kg shipping (reseller)
Signal Conversion	analog field current to digital Fieldbus data
Hot Swap Practice	100 Series FBM replacement with termination remaining on TA (family practice)
Compatible Termination	100 Series analog input termination assemblies (not digital DI TAs)
Operating Environment Family	I/A Series industrial enclosure class
Power Source	redundant FBM backplane / Fieldbus power (100 Series)
Configurable Resolution Note	analog input resolution isaper-module software option on FBM01
Switching Options	Fieldbus Switching Enable and Fieldbus Switching Time Notes Specs from Foxboro FBM01 product descriptions and I/A Series hardware listings for P0400DA. Finer ADC bit/time tables belong on the faceplate/PSS for the installed revision. Do not confuse with Compact FBM201 (P0916AA / RH101DA). Confirm carrier, TA, and CP firmware support for 100 Series FBMs.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Input Range	0 to 20 mA dc
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Module Class	main type; independently connects to redundant Fieldbus
Application Program	Analog Input
Configurable Options	Analog Input Resolution (per module); Fieldbus Switching Enable; Fieldbus Switching Time
Isolation Withstand	600 V ac for one minute between any channel and earth (ground) or betweenagiven channel and any other channel
System Platform	Foxboro I/A Series DCS
I/O Generation	100 Series Field Bus Module
Fieldbus Role	redundant Fieldbus interface from field analog loops to CP/FCP
Typical Transmitter Loop	4 to 20 mA two-wire
Self Powered Source	20 mA source accepted
Channel Type	analog current input
Module Orientation	plug-in FBM on 100 Series mounting structure
Replacement Family	Compact FBM201 / FBM201e 0 to 20 mA (200 Series) for new designs
Isolation Style	channel to earth and channel to channel (600 V ac 1 min withstand)
Status Indication	module operational status via I/A Series FBM indicators (family)
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Notes

Specs from Foxboro FBM01 product descriptions and I/A Series hardware listings for P0400DA. Finer ADC bit/time tables belong on the faceplate/PSS for the installed revision. Do not confuse with Compact FBM201 (P0916AA / RH101DA). Confirm carrier, TA, and CP firmware support for 100 Series FBMs.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.