

MAXPAC I/O

Product Data Sheet

IOP301

isolated analog input module

FUNCTION isolated analog input module	FAMILY maxPAC I/O	ORIGIN United States	WEIGHT 0.38 kg
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Metso Automation IOP301 is a isolated analog input module for the maxPAC I/O. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Input Channels	16 isolated channels
Input Configuration	Voltage or current, mixed by channel
Current Span	4 to 20 mA
Voltage Span	0 to 2.4 V
Resolution	15 bits plus sign
Scan Rate	100 ms
RTI Accuracy	±0.1% full scale at 25 °C
Temperature Sensitivity	±0.004% of reading/°C and ±1.5 µV/°C
Conversion Method	Sigma-delta oversampling
Current Input Impedance	300 Ω

ADDITIONAL PRODUCT DATA

Voltage Input Impedance	1 M Ω
Normal Mode Rejection	60 dB at 50/60 Hz
Common Mode Rejection	120 dB at 50/60 Hz
Isolation	1500 V AC field-to-logic; 500 V AC channel-to-channel
System Supply Load	400 mA from 24 V supply

OFFICIAL APPLICATIONS

- Process signal acquisition cabinets: Distributed I/O Systems
- Turbine auxiliary control panels: Process I/O Systems
- Reactor instrumentation cabinets: Plant Control Systems

SYSTEM COMPATIBILITY

Match IOP301 to the installed maxPAC I/O, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Metso Automation official manufacturer documentation](#)

Local official Metso maxPAC Hardware Reference Guide 278596 Rev. A7, pages 2-1 to 2-9

AMIKON PRODUCT SUPPORT

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