

HONEYWELL EXPERION LS I/O

Product Data Sheet

TK-IAH161

Sixteen channel analog input module

FUNCTION	FAMILY	ORIGIN	WEIGHT
Sixteen channel analog input module	Honeywell Experion LS I/O	United States	0.20 kg

Honeywell TK-IAH161 is a Sixteen channel analog input module for the Honeywell Experion LS I/O. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Analog inputs	16
Input modes	Voltage or current
Bipolar voltage range	± 10.25 V
Unipolar voltage ranges	0 to 10.25 V and 0 to 5.125 V
Current range	0 to 20.5 mA
Current shunt	249 Ω nominal
Conversion resolution	16 bit
Publish period	250 ms
Input bandwidth	20 Hz
Voltage input impedance	Greater than 1 M Ω

ADDITIONAL PRODUCT DATA

Voltage accuracy at 25 °C	Better than 0.05 percent
Current accuracy at 25 °C	Better than 0.15 percent
Power dissipation	4.1 W
Isolation test	2550 V DC for 1 second
Terminal block	TC-TBCH, 36 position

OFFICIAL APPLICATIONS

- Petroleum Production and Natural Gas Processing: Upstream and downstream petroleum production; Natural gas processing and transmission
- Chemical and Petrochemical Manufacturing: Industrial chemical production; Petrochemical production and processing
- Thermal, Hydroelectric and Renewable Power Generation: Thermal and hydroelectric power production; Renewable generation and energy integration

SYSTEM COMPATIBILITY

Match TK-IAH161 to the installed Honeywell Experion LS I/O, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Honeywell Experion LS I/O technical data for TK-IAH161](#)

Manufacturer technical documentation summarized for the exact model

AMIKON PRODUCT SUPPORT

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