

SNAP-AIMA-4

Analog Input Module

It is a four-channel current-input module for measuring -20 to +20 mA signals on a compatible SNAP mounting rack.

Manufacturer	Opto 22
Product family	SNAP PAC I/O platform
Complete model	SNAP-AIMA-4
Source record	Form 1696

RELATED PRODUCTS ON APTER POWER

01	Siemens 6ES7432-1HF00-0AB0	OPEN
02	Honeywell 51305508-200	OPEN
03	Honeywell 51304544-100	OPEN
04	Honeywell 51304542-100	OPEN
05	Honeywell FC-TSDI-16UNI	OPEN
06	Honeywell 10024-I-F	OPEN

APTER POWER SALES TEAM

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WEBSITE www.apterpower.com



SNAP-AIMA-4

Exact-model technical record

Complete model	SNAP-AIMA-4	Data freshness	23 ms
Manufacturer	Opto 22	Maximum survivable input	36 mA or 9 V DC
Product family	SNAP PAC I/O platform	Common-mode voltage	250 V
Input channels	4	Accuracy	0.05% or 10 μ A
Input range	-20 to +20 mA	Isolation	1500 V
Overrange	$\pm$ 22 mA	Module power	5 V DC $\pm$ 0.15 V at 170 mA
Resolution	0.8 μ A		

OFFICIAL SOURCE COVERAGE

Source 1	Opto 22 SNAP PAC System Specification Guide — Catalog or product identification, Form 1696
Source 2	Opto 22 SNAP PAC System Specification Guide — Technical specifications, Form 1696
Source 3	Opto 22 SNAP PAC System Specification Guide — Installation and application guidance, Form 1696

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System role and applications

Process current measurement

Acquires four -20 to +20 mA process signals.

Bipolar analog sensing

Measures positive and negative loop current within range.

Isolated remote I/O

Adds four analog channels at a SNAP PAC node.

Module replacement

Restores SNAP-AIMA-4 while retaining channel scaling and wiring.

ENGINEERING BOUNDARY

Match SNAP-AIMA-4 to the supported rack and brain. Preserve loop polarity, field protection, channel scaling and isolation boundaries.

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Model-specific engineering questions

Q1. Which input channels identifies SNAP-AIMA-4?

Input channels: 4. Match the complete catalog identity before work.

Q2. What input range must be matched for SNAP-AIMA-4?

Input range: -20 to +20 mA. Preserve the installed system assignment and connector mapping.

Q3. How is the overrange defined on SNAP-AIMA-4?

Overrange: ± 22 mA. Use the controlled project record during wiring checks.

Q4. Why does the resolution matter when replacing SNAP-AIMA-4?

Resolution: 0.8 μ A. Do not substitute a neighboring family value.

SOURCE IDENTIFIER

Form 1696

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Acceptance reference and related products

Q5. Which data freshness should commissioning records retain for SNAP-AIMA-4?

Data freshness: 23 ms. Record the as-found setting before removal.

Q6. What should technicians verify about the maximum survivable input of SNAP-AIMA-4?

Maximum survivable input: 36 mA or 9 V DC. Confirm the value again during controlled startup.

RELATED PRODUCTS ON APTER POWER

01	Honeywell FC-TSDI-16UNI	OPEN
02	Honeywell 10024-I-F	OPEN
03	Honeywell TC-PRR021	OPEN
04	Honeywell 51402497-200	OPEN
05	Honeywell 51403776-100	OPEN
06	Honeywell FC-TSHART-1620M	OPEN
07	Honeywell 10018-E-1	OPEN
08	Honeywell 51305072-600	OPEN
09	Honeywell 51304831-100	OPEN
10	Honeywell 51402573-250	OPEN
11	Honeywell 10020-1-2	OPEN
12	Honeywell 51405098-100	OPEN
13	Honeywell 51304518-150	OPEN
14	Honeywell 51303979-550	OPEN

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