

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Keithley 500A* at our website: ***Click HERE***

PART NUMBER SPEC-AIMIA

Specifications

AIM1A ANALOG INPUT MODULE 1

Input channels:

Global: 8 inputs from slots 3-10

Local: 8 differential or 16 single ended

Input characteristics:

Global programmable gain amplifier.

Software programmable gains. x1, x2, x5, x10

Input range: x1, ± 10V
x2, ± 5V
x5, ± 2V
x10, ± 1V

⚠ Accuracy: x1,x2,Gain, ± (0.01%+50uV), x5,x10,Gain, ± (0.015%+50uV)

Non-linearity: ±0.005% of F.S.

Temperature coefficient. ±(0.001% + 20uV)/°C

Input noise voltage: 30uV p-p, 0.1Hz to 10kHz

Settling time to 0.01%. 6us

Slew rate: 10V/us

Small signal bandwidth: 280kHz

Local instrumentation amplifier:

Switch selectable gains: x1, x10, x100

Input range. x1, ± 10V
x10, ± 1V
x100, ± 100mV

Input protection. ± 30V max (Powered)
± 10V max (Unpowered)

Accuracy:

x1, ±(0.01% + 20uV)

x10, x100; ±(0.01% + 10uV)

Non-linearity. ±0.005% of F.S.

Temperature coefficient:

x1, ±(0.001% + 10uV)/°C

x10, ±(0.002% + 4uV)/°C

x100, ±(0.002% + 2uV)/°C

Common mode rejection ratio: >80dB, DC to 60Hz

Input bias current. <1nA

Input resistance. > 100Mohms

Input noise voltage:

5uV p-p, 0.1Hz to 10Hz

10uV rms, 10Hz to 30KHz

LTR	REVISIONS	APP.	DATE
A	RELEASED 7481		11-1-83
B	REVISED 1085	MS	4-30-85

DRN.	DATE
CKD.	DATE
APP.	DATE

KEITHLEY Keithley Instruments Inc. Cleveland, Ohio 44139

SPECIFICATIONS

PART NUMBER SPEC-AIMIA

FORM 28777A

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Settling time to 0.01%
- x1, 15us
- x10, 30us
- x100, 75us

Slew rate (x1). 10V/us

Small signal bandwidth: 130kHz

Global 10.000 volt reference:
- Accuracy. ±0.01%
- Temperature coefficient: ±0.002%/°C
- Load current. 10mA max
- Load regulation: ±0.005%/mA
- Noise: 20uV p-p, 0.1Hz to 10Hz
  10uV rms, 10Hz to 30KHz

NOTE: All amplifier specifications with respect to input.

LTR	REVISIONS	APP.	DATE
A	RELEASED 948!		11-1-83
B	SEE PG. 2	MB	4-30-85

DRN.	DATE
CKD.	DATE
APP.	DATE

KEITHLEY Keithley Instruments Inc. Cleveland, Ohio 44139

SPECIFICATIONS

PART NUMBER SPEC-AIMIA

FORM 26777A

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP