

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

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PART NUMBER SPEC - AMM1A

AMM1A SPECIFICATIONS:

INPUT CHANNELS

Local:	8 differential or 16 single-ended inputs.
Global:	9 inputs from slots 2–10.

LOCAL PROGRAMMABLE GAIN AMPLIFIER

Programmable Gains:	x1, x10.
Gain Accuracy:	±0.045% @ x1 gain; ±0.08% @ x10 gain.
Nonlinearity :	±0.05%
Temperature Coeff:	±0.001%/°C @ x1 gain; ±0.0017%/°C @ x10 gain.
Input Resistance:	>100MΩ.
Input Bias Current:	<1nA.
Input Noise:	<100µV p-p, 0.1Hz to 100kHz.
CMRR:	>70dB, DC to 60Hz.
Input Protection:	±30V maximum (powered), ±15V maximum (unpowered).

10.000 VOLT REFERENCE

Accuracy:	±0.025%.
Temperature Coeff:	±0.0017%/°C.
Noise:	25µV p-p, 0.1Hz to 10Hz.

GLOBAL AMPLIFIER AND A-to-D CONVERTER

A-to-D Converter:	Self-calibrating, successive approximation.
Resolution:	12-bits (1 part in 4,096).
A-to-D Range:	Software selectable, 0 to +10V (unipolar) and –10V to +10V (bipolar).
Conversion Time:	20µsec. (including acquisition time).
Software Trigger:	Oneshot Mode: A single reading is available 20µsec. after trigger location in memory is addressed. Continuous Mode: Conversions are continuously triggered every 20µsec. by internal crystal controlled clock.
External Trigger:	Continuous conversions begin with falling edge of EXT TRIG input and stop when input is high. TTL compatible.
Noise:	<1/2 LSB on all ranges and gains
Programmable Gains:	x1, x2, x5, and x10.
Gain Accuracy*:	±(0.04% + 1 LSB) @ x1 gain; ±(0.15% + 1 LSB) @ x2, x5, and x10 gain.
Gain Nonlinearity*:	±0.033%
Gain Temp. Coeff*:	±0.003% /°C.
Filter:	Software selectable, 100kHz or 2kHz single pole.
Settling Time†:	12µsec. with 100kHz filter, 600µsec. with 2kHz filter.

*Includes input MUX, amplifiers, and A-to-D errors.
† (to 0.05% of final reading)

LTR	REVISIONS	APP.	DATE
A	RELEASED #13203		1-3-88

DRN. D.H. DATE 1-3-88
CKD. DATE
APP. DATE

Keithley Instruments Inc.
Cleveland, Ohio 44139

500 - AMM1A
SPECIFICATIONS

PART NUMBER
SPEC - AMM1A

BRUNING 40-21 62198

FORM 26777A

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.

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

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