

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

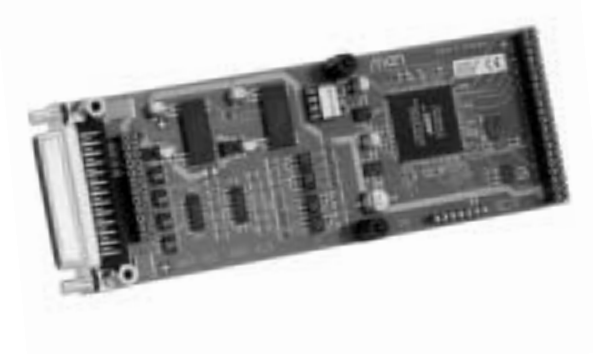
Expert team | Trust guarantee | 100% satisfaction

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

Visit our website - *Click HERE*

M47 – SSI Controller

- 4-channel 32-bit Serial Synchronous Interface (SSI)
- RS422A interface
- Automatic communication
- RAM-like double buffer user interface
- Gray/binary decoding for each channel
- Line-break detection
- Absolute value data input
- Optical isolation for each channel
- External Baud rate possible



SSI Interface
- 4-channel Serial Synchronous Interface (SSI)
- Optical isolation
- RS422A interface

Data Transmission
- Baud rate
  - 62.5 kbaud, 125 kbaud, 250 kbaud, 500 kbaud
  - Programmable for each channel
- Word length
  - 1..32 bits
  - Programmable for each channel

Memory
- 16-byte RAM-like double buffer user interface

Interfaces
- 4 RS422 ports, optically isolated
- Supply voltage for external sensors etc.: 5V (±10%), 400mA max. all channels summed up

Miscellaneous
- Automatic communication
- Gray and binary decoding, programmable for each channel
- Sensor connection detection
- Interrupt triggering on a new data transmission

Peripheral Connections
- Via front panel on a shielded 25-pin D-Sub receptacle connector
- Via carrier board (rear I/O)

M-Module Characteristics
- A08, D08, INTA, IDENT

Electrical Specifications
- Isolation voltage
  - 500V DC between M-Module interface and external sensor interface
  - Voltage between the connector shield and sensor interface is limited to 180V using a varistor; AC coupling between connector shield and sensor interface through 10nF capacitor
- Supply voltage/power consumption: +5V (4.85V..5.25V), 150mA without external sensors connected, max. 850mA with 4 sensors connected
- MTBF: 33,000h @ 50°C

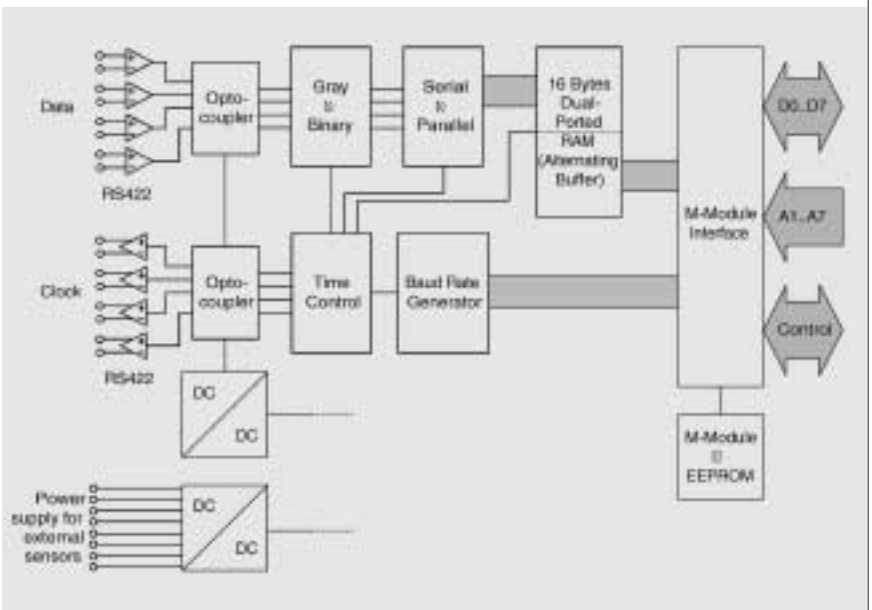
Mechanical Specifications
- Dimensions: conforming to M-Module Standard
- Weight: 60g

Environmental Specifications
- Temperature range (operation):
  - 0..+60°C or -40..+85°C
  - Airflow: min. 10m³/h
- Temperature range (storage): -40..+85°C
- Relative humidity range (operation): max. 95% non-condensing
- Relative humidity range (storage): max. 95% non-condensing
- Altitude: -300m to + 3,000m
- Shock: 15g/0.33ms, 6g/6ms
- Vibration: 1g/5..2,000Hz

Safety
- PCB manufactured with a flammability rating of 94V-0 by UL recognized manufacturers

EMC
- Tested according to EN 55022 / 1999-05 (radio disturbance) and EN 55024 / 1999-05 (immunity) with regard to CE conformity

Software Support
- MEN Driver Interface System (MDIS for Windows, Linux, VxWorks, QNX, RTX, OS-9)



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