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 *Mercury Computer Systems / Themis TSVME-400-1A* at our website: *Click HERE*

Themis TSVME 400 48 Optocoupler –Isolated Digital Inputs Board

Main specifications

- 48 Optocoupler-Isolated Digital Inputs
- Two 68230 Controllers
- Programmable Debounce Device and TRANSIL Protection on Each Input
- Front Edge Panel Containing 8 LEDs and a 6-Position Rotating Switch for Input's State Indication
- Programmable Interrupt Level and Vector
- Double Europe VME Form Factor

General description

The TSVME400 is a 48 Optocoupler Isolated Input Board with a double European format. Direct connection can be accomplished with 2-wire or 3-wire NAMUR type proximity sensors or with contacts operating from 12 V to 24 V.

Built around two TS68230 parallel interface timers, this board offers two blocks with 6 groups of 4 inputs. 1500V optical isolation and TRANSIL input protection guarantee system integrity for industrial applications. Each input has a programmable Debounce device. 4 inputs inside each block can generate an interrupt on one of the seven levels of the VMEbus when the inputs change status. Each block has its own programmable interrupt vector.

The TSVME400 can be accessed in supervisor mode and/or user mode inside a 128-byte addressing space. The addresses are jumper-defined in the VMEbus I/O addressing space.
The front panel contains two 37-pin Sub-D connectors that connect to the two input blocks. It also contains a rotary switch and eight LEDs to display the status of the 12 groups of 4 inputs.

The TSVME400 fulfills the needs of the machine tool field with proximity sensors and process control in which interface is direct.

Optocoupler-isolated INPUT features:

- Inputs: each 68230 circuit manages 24 inputs
- Insulation voltage: higher than 1500 V (between inputs and VMEbus)
- Input types: - NAMUR type bifilar with currents from 1 to 4mA or voltage from 12 to 24V
    - Three-wire proximity sensor 12 to 24 V
    - 12 to 24 V contact active at state 0 or 1
- Voltage for switching from 0 to 1 : 9.5 V max
- Voltage for switching from 1 to 0 : 7 V min
- Maximum permissible voltage on inputs : 12 V to 24 V according to external power
- Minimum permissible voltage on inputs : 0 V

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