

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*

HIGHLAND TECHNOLOGY

V385 strain gauge / load cell module

Features

- Excites and measures up to eight strain gauge load cells
- Separate, remotely sensed excitation supply for each channel
- 24-bit ADC per channel
- 100 dB CMRR
- Clean, logical VME bus interface is well suited to PLC-based weighing applications



The V385 is a VME/VXI compatible eight-channel strain-gauge signal conditioner applicable to generic bridge-type transducer applications. The V385 adds individual remote-sensed excitation supplies to each channel, increasing its precision over the V380's single excitation supply.

Key to the V385's increased precision is a separate remotely-sensed excitation voltage for each channel. Now users can measure up to eight different sensors with different interface cables without the uncertainty of a single sense point for the excitation supply.

The V385's updated firmware accommodates customer requests for faster access to raw sensor data. A firmware version with weighing-specific functions is also available.

650 Potrero Ave San Francisco, CA www.HighlandTechnology.com tel: 415-551-1700 fax: 415-551-5129

Specifications : V385 strain gauge/load cell module

FUNCTION	8-channel load cell module
DEVICE TYPE	16-bit VME register-based slave: A16:D16:D08(EO) Implements 128 words (256 bytes) registers at switch selectable addresses in the VME 16 addressing space
CHANNELS	8, 6-wire full-bridge-type load cells
EXCITATION	Per-channel onboard remote-sensed bridge excitation source, 5- or 10-volt switchable; 40mA max per-channel load
INPUTS	Eight differential inputs CMRR better than 100dB Input impedance is 60 MΩ typical Maximum input ±50 mV (equivalent to 5 mV/V excitation)
RESOLUTION	One 24 bit ADC per channel
ADC	One Analog Devices AD7710 24 bit ADC per channel Default setup is G = 1, 24 bit data, 59.91 Hz sample rate ADCs may be user reprogrammed via VME commands
SYNCHRONIZE	A mechanism is included to synchronize the sample times of all eight ADCs
OPERATING TEMPERATURE	0 to 60°C; extended MIL/COTS ranges available
CALIBRATION INTERVAL	One year
POWER	Standard VME supplies: +5 V: 1.5 A max +12 V: 0.2 A -12 V: 0.2 A
CONNECTORS	Two D25 front-panel females
INDICATORS	Three LEDs indicate microprocessor heartbeat, VME access, and pass/fail status
PACKAGING	6U single-wide VME module
CONFORMANCE	ANSI/VITA 1-1994 (R2002) VMEbus spec
OPTIONS	Other excitations, signal ranges, filtering available Special software functions are available

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