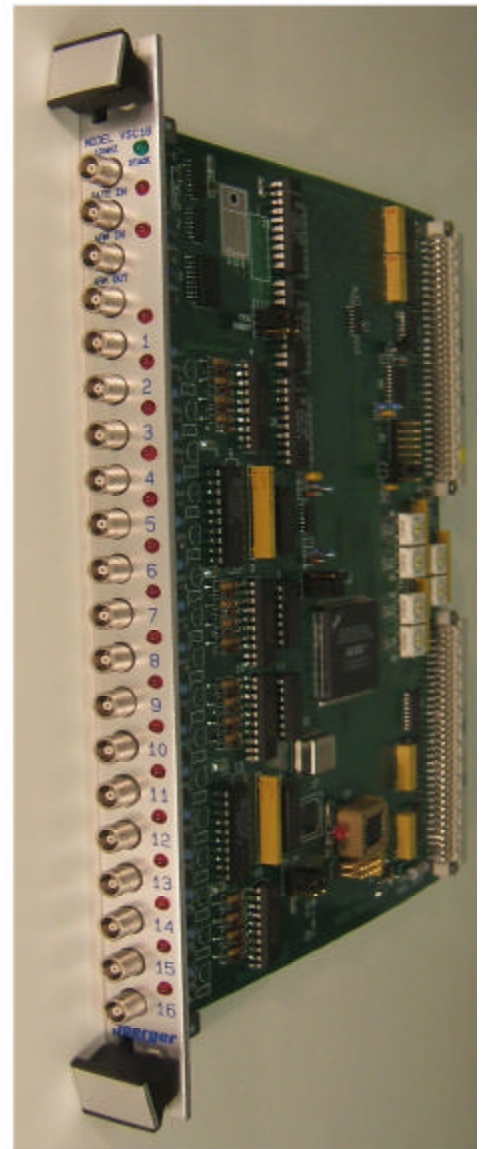


**16 CHANNEL, 32 BIT, 40Mhz “VME”
UP/DOWN, PRESET COUNTER**

FEATURES:

- 16 CHANNELS
- 32 BIT CAPACITY
- 40 Mhz COUNTING SPEED
- TTL COUNTER INPUTS
- UP/DOWN, PRESET COUNTER
- COUNTING MODE
INDIVIDUALLY SELECTABLE
FOR EACH CHANNEL
- COMMON COUNTING GATE
- COMMON ARM CONTROL
FOR IMPROVED SYSTEM
PERFORMANCE
- INTERRUPT CAPABILITY
WITH ACTIVE CHANNELS
SELECTABLE
- SINGLE WIDTH, 6U, “VME”
MODULE
- “EPICS” SOFTWARE
COMPATIBLE



The JOERGER ENTERPRISES, INC. MODEL VSC16 is a 16 channel, 32 bit, 40Mhz up, down, preset counter packaged in a single width "VME" module. Each channel is completely independent and its operating mode is preset in a re-readable register for verification. The module has an interrupt capability and each channel can be enabled or disabled from participating. The module has both a 'gate' signal and 'arm' signal to provide more complete system control. An 'arm output' signal is provided that can be used to arm one or more units. The 'arm output' signal is set when the module is programmable armed and is reset by an internal stop signal, a counter reaching its preset condition, or a module reset. To visually indicate module operation LED's are provided for DTACK, GATE INPUT, ARM INPUT and an activity light for each channel to display if it is counting. A 10MHZ crystal oscillator output is provided to perform such features as timing and testing. The module has onboard switches to set its address. The counter inputs and control signals are TTL. To simplify system implementation "EPICS" software is available.

SPECIFICATIONS:

SIGNAL INPUT, PER CHANNEL

TTL:

AMPLITUDE

Positive TTL standard

IMPEDANCE

50 ohms, 500 ohms optional

FREQUENCY

0 to 40MHZ, up/down programmable

CAPACITY

32 Bits, presettable

GATE INPUT

AMPLITUDE

Positive TTL input, 10K pull up, enabled.

ARM INPUT

AMPLITUDE

Positive TTL input, 500 ohms to ground, disabled.

ARM OUTPUT

AMPLITUDE

Positive TTL output.

OSCILLATOR OUT

10 MHZ crystal oscillator $\pm 0.01\%$, TTL

VME FUNCTIONS

- READ EACH CHANNEL
- READ AND RESET EACH CHANNEL
- PRESET EACH CHANNEL
- READ/WRITE EACH CHANNEL FOR UP OR DOWN COUNTING
- ENABLE OR DISABLE ARM OUTPUT
- ENABLE OR DISABLE DISARM ON IRQ
- ENABLE OR DISABLE EACH CHANNELS PARTICIPATION IN INTERRUPT GENERATION
- IRQ RESET
- READ MODULE IDENTITY, MANUFACTURER, MODEL, AND SERIAL NUMBER

“VME” INTERFACE	A32/D32
CONNECTORS	LEMO RA00250
SIZE	SINGLE WIDTH “VME” 6U CARD
POWER	+5V, 2.4A

JEI0408

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