



## Readout Modules with Peak-Hold Feature



### FEATURES

- For use with Vishay Measurements Group 2300 Signal Conditioning Amplifier System
- Provides real-time digital readout with peak-hold capability
- Both maximum and minimum signals are sorted independently
- Front-panel jacks are provided for utility inputs such as the bridge excitation supplied to the signal conditioners via the excitation monitor jacks
- Contains its own power supply which utilizes line voltage from the 2300 System Rack Adapter or Portable Enclosure

### SPECIFICATIONS

#### Display

LED's with  $\pm 19\,999$  counts full scale.

#### Sensitivity/Resolution

1 mV per count.

#### Input Circuit:

Amplifier Configuration: Single-ended floating common.

Input Impedance:  $2M\Omega$  nominal.

Rear Connectors: 8 channels BNC.

Front Connections: 1 channel, standard banana jacks.

Input Selection: 9-position switch.

#### Peak Retention Capability

Both positive-going (MAX) and negative-going (MIN) peaks are stored in two separate circuits independent of DISPLAY MODE selection. (The storage capability is always active.)

#### Display Modes:

Track: Display follows input voltage.

Peak-Hold: Displays one of the stored peak values.

MAX: Selects the MAX stored value.

MIN: Selects the MIN stored value.

#### Accuracy

Step Input:  $\pm 0.1\% \pm 4$  counts for step input up to 15V >4 msec duration.

Repetitive Step Input:  $\pm 0.1\% \pm 4$  counts for repetitive step inputs of >300 msec duration.

Minimum number of steps required: 4 msec  $\div$  pulse duration.

Repetitive Sine Wave:

$\pm 5\% \pm 4$  counts for repetitive sine wave input of <1000 Hz.

$\pm 0.5\% \pm 4$  counts for repetitive sine wave input of <100 Hz.

#### Hold Stability

<1 count/minute typical, 2 counts/minute maximum averaged over 5-minute period.

#### Reset Capability

Manual or automatic timed reset of MAX and MIN peaks.

Optoisolator input requires 2 to 30V (<5 mA @ 5V) for 0.1 msec minimum.

#### Power

115/230 Vac, 50-60 Hz, 10W max.

#### Size & Weight

8.75 H x 3.44 W x 17.56 D in [222.2 x 87.5 x 446 mm];

4.8 lb [2.2 kg].

**All specifications are nominal or typical at +23°C unless noted.**

