

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 $+23^\circ\text{C}$ unless noted.