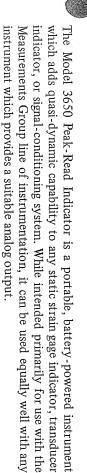
5 GENERAL DESCRIPTION



Principal features of the Model 3650 are:

- Both the maximum and minimum values of a dynamic input signal are captured and simultaneously displayed.
- automatic internal reset; reset by manual push buttons, externally generated reset pulse, or periodic Maximum and/or minimum display can be independently or simultaneously
- Selectable four-pole Bessel low-pass filter to discriminate against undesirable high-frequency interference;
- Color-coded push-button controls for ease of operation and minimum operator training.

powered adapter is available for situations in which the unit is in continuous able alkaline "C" cells. Battery life is approximately 200-250 hours. An AC-The Model 3650 operates from an internal battery pack consisting of six replace.

and noise voltages which may appear at the input. See Section 4.0. and display fast-changing signals. Therefore, it will respond to transients CAUTION: The Model 3650 Peak-Read Indicator is designed to capture

2.0 SPECIFICATIONS

Range and Display:

Overload Indication:

Sensitivity:

counts full scale.

Dual direct-reading liquid crystal display. ±19 999

indicators. All-zero display with two flashing columnar

l count; 50 to 550 μ V (±19 999 counts).

±1.0 to ±11V nominal for full-scale indication

Resolution:

Input Circuits: may be connected to system ground without effect. Isolated; input impedance $> 20 \text{ k}\Omega$; either side

Accuracy:

Step Input:

seconds duration.

±4 counts for step input of > 4 milli-

Repetitive Step Input:

Repetitive Sine Wave Input:

frequency < 1/2 filter cutoff frequency ±5% ±4 counts for repetitive sine wave input of

> 200 microseconds duration. Number of steps ±0.2% ±4 counts for repetitive step inputs of

required ≥

4 milliseconds. Pulse Duration

of frequency < 1/5 filter cutoff frequency ±0.5% ±4 counts for repetitive sine wave input

averaged over 5-minute period 4 counts/minute maximum at +75°F (+24°C),

both by external contact closure or low TTL level. mum, or both; reset of maximum, minimum, or mum; automatic timed reset of maximum, mini-Independent manual reset of maximum and mini-

Reset Capability:

Hold Stability:

solvents on the front panel CAUTION: When it becomes necessary to clean the Model 3650, do not use



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