Frequency

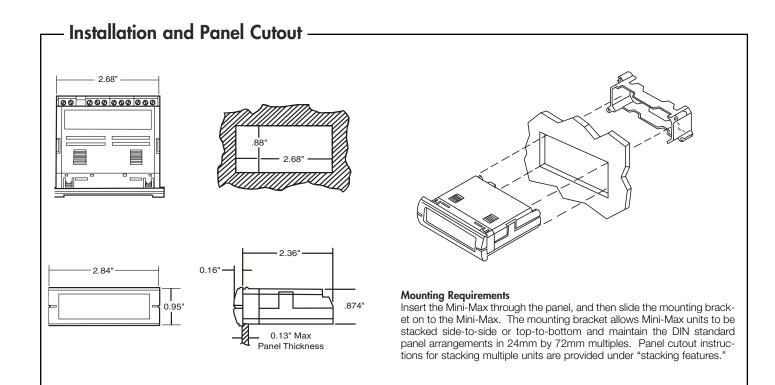


Mini-Max M235 Series Digital Panel Meter

- Shallow Depth Indicator Less Than 2.5" (60mm) of Space Required Behind the Panel
- Stackable Mounting Bracket Included for Easy Installation
- 3-1/2 Digit, 0.5" (12.7mm) High LCD with Optional Negative Image, Bright Red Backlighting
- Standard Screw Terminals for Easy Installation
- Two Frequency Ranges: 20 199.9Hz or 20 1999Hz
- Choice of RMS or Square Wave
- 85-250VAC Power

Simpson's Mini-Max Frequency meters provide accurate, stable, frequency indication in a compact, 60mm deep case. Units have a 3-1/2 digit, 0.5" (12.7mm) LCD display and are available with a bright red, negative image backlight option. Display hold is a standard feature. Screw terminal connectors provide easy wiring of power supply and input signal.

A unique mounting bracket is provided to allow for vertical or horizontal stacking of multiple indicators. All units feature a 3/64 DIN, high-impact plastic case. The standard units have a clear viewing window, and the units with optional negative image, red backlighting have a red window.



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- Specifications

DISPLAY Type: 7-segment LCD Height: 0.5" (12.7mm) Overrange indication: Most significant digit = "1"; other digits blank Backlighting: Optional negative image, red LED backlighting Polarity: Auto with "-" indication, "+" implied

POWER REQUIREMENT 85-250VAC @40-440Hz Power Consumption: 2.5VA min/4VA max

ACCURACY @ 25°C: 200 Hz: ±0.2% of input ± 0.2Hz

- Wiring Display

ACCURACY @ 25°C: (cont.) 2 kHz: ±0.2% of input ± 2Hz

CONVERSION Technique: Frequency-to-voltage

Rate: 3 samples/second-typical

ENVIRONMENTAL Operating Temperature: 0 to 55°C Storage Temperature: -10 to 60°C

ENVIRONMENTAL (cont.)

Relative Humidity: 0 to 85% non condensing @ 40°C Temperature Coefficient: (± 0.02% of input ± 0.2 digits)/°C Warmup time: Less than 15 minutes

MECHANICAL

Bezel: .95" x 2.84" (24mm x 72mm) Depth: 2.36" (60mm) Panel Cutout: .88" x 2.68" (22.2mm x 68mm)

Weight: 3.5oz (99.2g) Case Material: 94-0,UL-rated, glass-filled thermoplastic

