

Gold Line Connector, Inc.

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Specifications For Model **DSP30RM**

PRODUCT DESCRIPTION: 30 channel 1/3 octave digital audio spectrum analyzer with expandable software controlled features and built-in pink noise generator in a triple rack space.

MEASUREMENT RANGE: Microphone input : 31dB to 123dB SPL
Line input: -88dBm to +14dBm (.031mV to 3.88V rms)
Measurement window: 85dB

INPUTS: Microphone; front or rear panel selectable: Balanced, XLR 3 pin receptacle.
Line; front or rear selectable: Unbalanced ¼" phone jack. 15kΩ impedance

OUTPUTS: Pink noise: ¼" unbalanced phone jack.
Printer port, RS232 port (optional).

MICROPHONE: 600Ω omnidirectional electret condenser. Model MK8A.

CENTER FREQUENCIES: ISO 1/3 octave between 25Hz - 20kHz

CENTER FREQUENCY ACCURACY: Typically ±1%

DISPLAYS: Audio Spectrum 30 Channel, 10 LEDs per channel, all channels scaleable from ¼dB to 5dB per increment. SPL & Reference readings are 3 digit via 7 segment LED readout.

MEMORIES: 6 volatile (standard). 30 additional non-volatile (optional).

FUNCTION CONTROL: 16 Button keypad.

FILTERS: ANSI standard (triple tuned) & sharper standard for notching applications.

RELATIVE FLATNESS CHANNEL TO CHANNEL: ¼dB

WEIGHTING: IEC A, C, Flat or USER defined.

DECAY RATE: Fast = 34.7dB/s, Medium = 8.7dB/s, Slow = 4.3dB/s.

PINK NOISE: Continuous, 20Hz to 20kHz @ 100dB, 78mV.

POWER REQUIREMENTS: 115 or 220 Vac.

SIZE (W x H x D); WEIGHT: 19" x 5¼" x 7"; 5 lbs.

CASE MATERIAL: Painted Aluminum

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