

Gold Line Connector, Inc.

Box 500 West Redding, CT. 06896

203-938-2588 phone - 203-938-8740 fax

<http://www.gold-line.com> Email: goldline@i84.net

Specifications For Model **DSP30A**

PRODUCT DESCRIPTION: Portable 30 channel 1/3 octave digital audio spectrum analyzer for Autosound and other high SPL uses.

MEASUREMENT RANGE: Microphone Input : 65dB to 160dB SPL
Line Input: -88dBm to +14dBm (.031mV to 3.88V rms)
Measurement window: 85dB

INPUTS: Microphone: Balanced, XLR 3 pin receptacle.
Line: Unbalanced ¼" phone jack. 15kΩ impedance

OUTPUTS: Printer port - DB25F (standard).
RS232 port - DB25M (optional).

MICROPHONE: Model MK160 - 600Ω omnidirectional electret condenser.

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 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 or Flat.

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

POWER REQUIREMENTS: Batteries: Eight AA alkaline or nicad.
External: 12Vdc @ 500mA via 3.5mm jack.

SIZE (W x H x D); WEIGHT: 10" x 10¼" x 2½"; 2 lbs.

CASE MATERIAL: High impact ABS

Rev 8/27/96