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SPC-F005.DWG

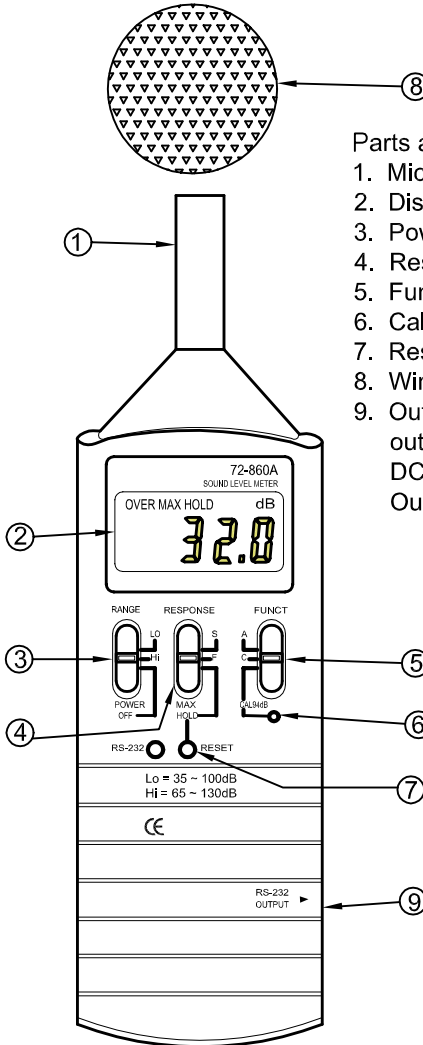
REVISIONS

DOC. NO. SPC-F005 * Effective: 7/8/02 * DCP No: 1398

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1453	A	RELEASED	JWM	8/27/03	JC	8/29/03	DJC	8/29/03

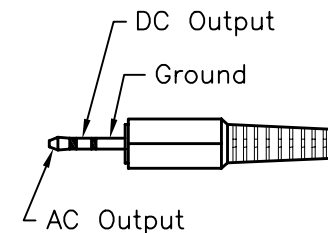
Specifications (According to IEC651, ANSI S1.4)

- Microphone: 1/2 Inch Electret condenser
- Display: LCD
 - 4 Digits
 - Resolution: 0.1dB
 - Display Period: 0.5 sec.
- Time Weighting: FAST(125mS), SLOW (1 Sec.)
- Level Ranges: Lo: 35~100dB, Hi: 65~130dB
- Frequency Range: 31.5Hz ~ 8KHz
- Frequency Weighting: A/C
- Accuracy: ±2.0dB (under reference conditions)
- Dynamic Range: 65dB
- Alarm Function: "OVER" is shown when input is out of range.
- Maximum Hold: Hold readings, with decay <1dB/3 Minutes
- Calibration: Electrical calibration with the internal oscillator (1KHz Sine Wave)
- AC Output: 0.65 Vrms at FS (Full Scale), output impedance approx. 600 ohms
- DC Output: 10mV/dB, output impedance approx. 100 ohms
- Power Supply: One 9V battery 006P, IEC 6F22, or NEDA 1604 (included)
- Power Life: About 50 Hrs. (Alkaline cell)
- Operating Temperature: 0°C to 40°C [32°F~104°F]
- Operating Humidity: 10 to 90% RH
- Storage Temperature: -10°C to 60°C (14°F~140°F)
- Storage Humidity: 10 to 75% RH
- Dimensions: 240mm (L) x 68mm (W) x 25mm (H)
- Weight: 210g (including battery)
- Includes: 9V Battery, Carrying Case, Screwdriver, Instruction Manual, 3.5Ø Plug, Windscreen, RS-232 Software
- Meter is protected throughout by double insulation or reinforced insulation



Parts and Functions

1. Microphone
 2. Display
 3. Power and Range Switch
 4. Response and Max Hold Switch
 5. Function Weighting
 6. Calibration Control
 7. Reset Button
 8. Windscreen
 9. Output Jack-Standard Ø3.5mm 3 pole coaxial output socket serves to supply AC and log-converted DC signals to external equipment
- Outputs: Two outputs can be accessed through Ø3.5 stereo phone plug
- DC Output: Logarithmic signal, 10mV/dB
Impedance: ≤100 Ohms
- AC Output: Approx. 0.65 Vrms corresponding to each range step
Impedance: ≈600 Ohms



DISCLAIMER:
ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE BELIEVE TO BE ACCURATE AND RELIABLE. SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE AND ASSUME ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH.

TOLERANCES:
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

DRAWN BY:	DATE:
Jeff McVicker	8/27/03
CHECKED BY:	DATE:
John Cole	8/29/03
APPROVED BY:	DATE:
Daniel Carey	8/29/03

DRAWING TITLE: Sound Level Meter with RS-232 Capability			
SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	72-860A	22H6407.dwg	A
SCALE: NTS	U.O.M.: Millimeters [Inches]	SHEET: 1 OF 1	