dbchecker™
MANOMETER

dB Checker is ideal for testing audible appliances for the public operating mode of an emergency voice/alarm system in accordance with the manufacturer's instructions.

WHY dB CHECKER?

- Easy to use & designed to meet the requirements of Life Safety Engineers
- Ideal for maintenance of fire and security alarm systems
- Unit conforms to the IEC651 type 2, ANSI S1 .4 Type 2 (Required by NFPA 72 Chapter 14, 14.4.2.2.(15))

KEY FEATURES

- Large backlit LCD and bar graph display analog
- Wide input frequency range with "A" weighting (dB02)
- A or C frequency weighting (dB01)

About dB Checker

dB Checker is ideal for measuring the sound pressure levels for audible alarm notification appliances as mandated by the National Fire Alarm & Signaling Code. Merely "listening" or utilizing any sound level meter available is not a reliable method of testing audible alarm notification appliances. Many of the meters currently on the market do not meet the requirements for NFPA 72. dB Checker conforms to ANSI S1.4a, which is required to meet the standard set forth in the latest edition of the National Fire Alarm Code. Two models are available to support either A frequency weighting (dB02) or A to C frequency rating (dB01).

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Product Features and Specifications

For use by specialized fire technicians

dB Checker Technical Information

Operating Features	measuring the sound pressure levels for audible alarm notification appliances as mandated by the National Fire Alarm & Signaling Code
Display	4-digit digital LCD display 0.1dB resolution 0.5 second display update
Time Weighting	Fast (125mS)
Level Ranges	40-130dB
Accuracy	+/- 2dB
Dynamic Range	50 dB
Alarm Function	"OVER" is when the input is more than upper limit of range. "UNDER" is when input is less than lower limit of range.
MAX/MIN Hold	Hold readings at the maximum and minimum value
AC Output	1 Vms at FS (full scale) Output impedence: approx. 100 ohms FS: means the upper limit of each level range
Power Supply	One 9V battery, 006P or IEC 6F22 or NEDA 1604.
Power Life	Approximately 30hours (Alkaline Battery)
Standard Applied	IEC651 Type2, ANSI S1.4 Type2
Frequency Ranges	100Hz to 8.38.3KHz
Frequency Weighting	A or C (db01) A (db02)
Microphone	1/2 inch electrical condenser microphone
Specifications	1lb,10.5 x 5 x 2in (DB01) 1lb, 10.5 x 5.5 x 1.75in (DB02)

Instructions

Step 1	Open battery cover and install a 9V battery in the battery compartment.
Step 2	Turn power ON and select the desired response time and weighting. If the sound source consists of short bursts or only catching sound peak, set response to FAST. To measure average sound level, use the SLOW setting.
Step 3	Hold the instrument comfortably in hand and point the microphone at the suspected noise source, the sound pressure level will be displayed.
Step 4	When MAX/MIN (maximum, minimum hold) mode is chosen. The instrument captures and holds the maximum noise level for a long period using any of the time weightings and ranges. Press the MAX/MIN button 2 seconds to clear the MAX/MIN reading. "MAX/MIN" symbol disappears.
Step 5	Turn OFF the instrument.

Contact Us
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