

897 Sound Dosimeter Measuring System

887-2 Calibrator

The model 887-2 calibrator has a selectable sound pressure range of 94dB and 114dB at 1 KHz.

The calibrator is immune to a wide range of temperature and humidity conditions is compatible with 1/2" microphone.

Operational readiness is indicated by the low battery red LED.



Specifications for 887-2 Calibrator

GENERAL

Battery	One 9-volt battery, NEDA 1604A
Battery Life	Approximately 35 hours for 2 hours per day operation, with 9V alkaline battery
Mechanical Construction	Aluminum case includes acoustic cavity and provides shielding
Weight	13.5oz (.35kg) - 897, 5.9 lbs. (2.68 Kg) SMS-2 Kit
Dimensions	5 1/4" long, 2" diameter (131 mm long, 50mm diameter)

ACOUSTIC OUTPUT

Microphone	0.52" inch diameter
Frequency	1000Hz $\pm$ 1%
Sound Pressure	Selectable at 94 or 114 dB
Reference Level	0dB = 20 μ Pascals
Accuracy	$\pm$ 0.5dB at reference conditions
Distortion	Less than 2%

ENVIRONMENTAL

Operating Temperature	0° to 50°C
Storage Temperature	-40 to +60°C, battery removed
Temperature Coefficient	Less than $\pm$ 0.05 dB/°C
Operating Relative Humidity	0 to 90%, non-condensing
Reference Conditions	23°C, 760mm Hg
Relative Humidity	30 to 60%

Specifications subject to change without notice