

Technical Data Sheet

Pressure / Temperature / Humidity / Air Velocity / Airflow / Sound level

CAL 200 ACOUSTIC CALIBRATOR



DESCRIPTION

Standard noise source at high stability in level and in frequency, CAL200 acoustic calibrator is essentially dedicated to check microphone sensitivity and to calibrate sound level meters and acoustic measurement systems.

CAL200 sends a nominal acoustic pressure level of 94 dB at the frequency of 1000 Hz, it corresponds to class 2 of NF EN 60942 : 2003 and CEI 60942 : 2003 standards.

Designed to remain compatible with microphones of different diameters, it is supplied with an adapter ring for a microphone of 1/2 inch diameter.



TECHNICAL FEATURES

Main level of acoustic pressure	94 dB \pm 0,4 dB
Main frequency	1000 Hz \pm 5 Hz
Distortion	DHT < 3%
Authorization for calibration	Green light
Transmission time	1 minute
Standards	NF EN 60942 : 2003 – CEI 60942 : 2003
Accuracy	Class 2
CE marking	As per European Directive 89/336/CEE and Standard product
Compatible microphones	1 inch microphone without adapter (according CEI 61094-4 standard) 1/2 inch with BC12 ring 10 mm microphone with BC10 ring 3/8 inch microphone with BC38 ring Other microphones with suitable rings
Standard ambient conditions	23 °C – 50% RH – 1013 hPa
Operating conditions	0 °C to +40 °C / 25% to 90% RH / 650 hPa at 1080 hPa
Power supply	2 alkaline batteries – 1,5 V CEI : AAA – LR03 type
Autonomy at 20 °C	More than 1500 calibrations
Storage	From 0°C to +60 °C
Overall dimensions	Length : 185 mm – Width : 35 mm – Thickness : 31 mm
Weight	118 g (with batteries)

Distributed by :



dB Vib Instrumentation

Montée de Malissol
38200 VIENNE
Tél. 04 74 16 18 80 – Fax 04 74 16 18 89
Siret 435 015 698 00028