

# Technical Data Sheet

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

## CAL 300 ACOUSTIC CALIBRATOR



### DESCRIPTION

Standard noise source at high stability in level and in frequency, CL300 acoustic calibrator is essentially dedicated to check microphone sensitivity and to calibrate sound level meters and acoustic measurement systems.

CAL300 sends a nominal acoustic pressure level of 94 dB or 114 dB at the frequency of 1000 Hz, it corresponds to class 1 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 $\pm$ 0.25 dB
Additional level of acoustic pressure	114 dB $\pm$ 0.25dB
Main frequency	1000 Hz $\pm$ 2 Hz
Distortion	THD < 2%
Authorization for calibration	Green or stabilized orange light
Transmission time	1 minute minimum
Standards	NF EN 60942 : 2003 – CEI 60942 : 2003
Accuracy	Class 1
CE marking	As per European Directive 2004/108/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 +50 °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)



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Montée de Malissol  
38200 VIENNE

Tél. 04 74 16 18 80 – Fax 04 74 16 18 89  
Siret 435 015 698 00028