

Decibel Meter with Sound Calibrator PCE-SLT-KIT-N



Noise measuring device for fixed installation with relay output and control output

The decibel meter consists of a measuring microphone with handle and a wallholder with 1.5 m cable, a noise transmitter and a digital display. The main application of the noise meter is the continuous noise measurement and noisemonitoring of factory halls, production rooms and large events (discotheques, folk festivals, kart tracks, etc.). The digital display has a relay output for the control of alarm horns or blinkers for visual or acoustic warning and a control output.

The limit value for this alarm output can be programmed on the display. The analogue output signal can also be used for controlling window flaps ... or the signals of the transmitter can be stored, evaluated and documented on a logger. The noise warning device is very easy to connect and can be operated via 240 V mains power. The cabling is the only installation task that the customer has to carry out himself. Thus, this noise warning device can be used quickly for monitoring purposes.

Specifications

Sound sensor

	30 ... 130 dB in 3 ranges:
Measuring range	I. 30 ... 80 dB(A) II. 50 ... 100 dB(A) III. 80 ... 130 dB(A)
Resolution	0.1 dB
Accuracy	±1.5 dB
Frequency weighting	A
Power supply	via transmitter
Cable length (sensor to transmitter)	1.5 m / 4.92'
Wall mount	for screwing (included)
Operating conditions	0 ... +50 °C / +32 ... +122 °F, max. 85 % RH
Microphone	1/2" precision electret
Standard	IEC 61 672 (Class II)

Transmitter

Housing	ABS plastic
Power supply	90 ... 260 ACV (max. 1.5 A)
Calibration	adjustable by means of a screw
Output	4 ... 20 mA
Protection class	IP 54 ingress protection rating
Operating conditions	0 ... +50 °C / +32 ... +122 °F, max. 85 % RH

Digital indicator

Input signal from transmitter	4 – 20 mA
Indicator	-1999 ... 9999 (1 ... 3 decimals, according to the measurement value /chosen by the user)
Programming data (decimals, limit value ..)	saved in the unit
Regulation output	3 points (Com, NO, NC)
Alarm output	Relay output: 5 A / 240 VAC
Power	90 ... 260 ACV / 50 ... 60 Hz
Dimensions / Switchboard according to DIN	92 (+0.8) mm x 45 (+0.5) mm
Weight	ca. 250 g / 0.56 lb
Operating conditions	0 ... +50 °C / +32 ... +122 °F, max. 85 % RH
Protection class	IP 65 ingress protection rating

More information

More product info



Similar products



Subject to change

Sound Calibrator PCE-SC

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Sound pressure level 94 dB, 104 dB, 114 dB

Accuracy	±0.4 dB
Class	2
Frequency	1000 Hz for A, B, C and D frequency weighting
Frequency accuracy	±1.7 %
Stabilization time	10 seconds
Total harmonic distortion	<3 %
Environmental conditions	
Temperature influences	<0.4 dB at 0 ... 40 °C / 32 ... 104 °F
Humidity influences	25 ... 90 % RH
Atmospheric pressure	<0.1 dB at 65 ... 108 kPa
Stability at <60 seconds	±0.15 dB
Stability after one year (normal use)	±0.35 dB
Operating conditions	0 ... 40 °C / 32 ... 104 °F, <25 ... 90 % RH, non-condensing
Storage conditions	-20 ... 50 °C / -4 ... 122 °F, <90 % RH, non-condensing
Automatic shutdown	after 20 minutes
Power supply	2 x 1.5 V AA batteries
Battery life	ca. 50 hours
Microphone size	1/2 inch
Dimensions	60 x 130 x 37.5 mm / 2.3 x 5.1 x 1.4"
Weight	400 g / 14.1 oz

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