

NOISE MEASUREMENT  
DECIBEL METER



PCE-SLT

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

PCE-SLT is a class II (type 2) sound level, sound pressure level (SPL), decibel (dB) or noise meter with audible or visual alarm output capability. PCE-SLT is used for long-term, continuous monitoring of occupational noise exposure limits in industrial environments such as foundries, factories and manufacturing production floors. The measu-

ring device consists of a wall-mountable acoustic sensor on a 1.5 m / 4.92' long cable and a transmitter.

ISO cal option

- » measuring range: 30 ... 130 dB in 3 ranges
- » resolution: 0.1 dB
- » accuracy:  $\pm 1.5$  dB
- » IP 54 ingress protection rating on transmitter offers limited protection against dust ingress (no harmful deposit) and protection against splashed water from any direction
- » IP 65 ingress protection rating on digital indicator offers total protection against dust ingress and protection against low-pressure water jets from any direction. Limited ingress permitted.



APPLICATION



TECHNICAL SPECIFICATIONS

Measuring range	30 ... 130 dB in 3 ranges: I. 30 ... 80 dB(A) II. 50 ... 100 dB(A) III. 80 ... 130 dB(A)
Resolution	0.1 dB
Accuracy	$\pm 1.5$ dB
Frequency weighting	A
Power supply	Via transmitter
Cable length (sensor to transmitter)	1.5 m / 4.92'
Operating conditions	0 ... 50°C / 32 ... 122°F, max. 85% RH
Microphone	1/2" precision electret
Standard	IEC 61 672 (Class II)
<b>Transmitter</b>	
Housing	ABS plastic
Power supply	90 ... 260 AC V
Calibration	Adjustable by set screw
Output	4 ... 20-mA
Protection class	IP 54 ingress protection rating
Operating conditions	0 ... 50°C / 32 ... 122°F, max. 85 % RH
<b>Digital indicator</b>	
Transmitter input signal	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 / 240V AC
Power	90 ... 260 AC V / 50 ... 60 Hz
Dimensions / Switchboard according to DIN	92 (+ 0.8) mm x 45 (+ 0.5) mm
Weight	Approx. 250 g / 0.56 lb
Operating conditions	0 ... 50°C / 32 ... 122°F, max. 85% RH
Protection class	IP 65 ingress protection rating



Subject to changewithout notice