4 to 20 mA IOT transmitter

SOUND LEVEL TRANSMITTER

Model: TRSL-401 *ISO-9001, CE, IEC1010*







The Art of Measurement

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FEATURES

*	4-wire installation.		
*	Linear current output .		
*	Easy installation and connection.		
*	Sound level range 30 to 130 dB.		
*	Frequency and Time weighting are designed to meet		
	IEC 61672 class 2.		
*	A & C weighting networks comply with standards.		
	0.5" standard microphone head.		
*	Time weighting (Fast) dynamic characteristic modes.		
*	Build External Zero& span calibration VR.		
*	Auto range		

Electrical Specification

Circuit	Custom one-chip of microprocessor LSI circuit.		
Measurement Type	SPL : Sound pressure level		
Measurement Range	30 - 130 dB.		
Function	dB (A & C frequency weighting),		
runction	Time weighting (Fast),		
Accuracy	Characteristics of " A ", " C " frequency		
(23 ±5 ℃)	weighting network meet ANSI S1.4-2014 /		
(20 20 0)	IEC 61672 -1 : 2013 class 2		
	Under 94 dB input signal, the accuracy		
	are:		
	31.5 Hz ±3.0 dB		
	63 Hz ±2.0 dB		
	125 Hz ±1.5 dB		
	250 Hz ±1.5 dB		
	500 Hz ±1.5 dB		
	1 K Hz ±1.0 dB		
	2 K Hz ±2.0 dB		
	4 K Hz ±3.0 dB		
	8 K Hz ±5.0 dB		
	than 3 V/M & frequency less than 30 MHz only.		
Frequency Weighting Network	Characteristics of A & C. A weighting: The characteristic is simulated as "Human Ear Listening" response. Typical, if making the environmental sound level measurement, always select to A weighting.		
Timo	C weighting The characteristic is near the "FLAT" response. Typical, it is suitable for checking the noise of machinery (Q.C. check) & knowing the sound pressure level of the tested equipment. Fast - t = 125 ms		
Time weighting (Fast)	reighting * "Fast" range is simulated the human ear		

Frequency	31.5 to 8,000 Hz.
Microphone	Electric condenser microphone.
type	
Microphone	Out size, 12.7 mm DIA. (1/2 inch).
size	
Analog output	Analog output: 4 to 20 mA.
	* linear to temperature.
Loop impedance	Max. 90 Ω@24 V DC.
Power supply	Isolated Power 9VDC to 30VDC.
	* Ripple< 2.5%
Operation Temp.	0°C to 50°C /32°F to 122°F.
Operation humidity	Max. 85% RH.
Dimensions	120 mm x 96 mm x 43 mm
Weight	340 g/0.75 Lbs without batteries.
Enclosure rating	meter: IP63.
	Probe (Microphone): IP40.
Accessories	* Instruction manual 1 PC
Included	* Sound probe 1 PC
	* probe holder 1 PC