SD Card, real time data logger, Patent

SOUND LEVEL METER

Model : SL-4023SD

ISO-9001, CE, IEC1010





The Art of Measurement

SD Card real time data logger SOUND LEVEL METER Model : SL-4023SD

IVIODEI : 5L-40
* Main functions are designed to meet IEC 61672 class 2.
* A & C weighting networks comply with standards.
* 0.5" standard microphone head.
* Time weighting (Fast & Slow) dynamic characteristic
modes.
* Build External calibration VR.
* Auto range & Manual range selection.
* Available for external calibration adjustment.
 Condenser microphone for high accuracy & long-term stability.
* Memory function to store the Max. & Min. value.
* Hold and Peak Hold functions.
* Real time SD memory card Datalogger, it Built-in Clock
and Calendar, real time data recorder, sampling time set
from 1 second to 3600 seconds.
* Manual datalogger is available (set the sampling
time to 0 second), during execute the manual datalogger
function, it can set the different position (location) No.
(position 1 to position 99).
* Innovation and easy operation, computer is not need to
setup extra software, after execute datalogger, just take
away the SD card from the meter and plug in the SD card
into the computer, it can down load the all the measured
value with the time information (year/month/date/
hour/minute/second) to the Excel directly, then user can
make the further data or graphic analysis by themselves.
* SD card capacity : 1 GB to 16 GB.
* LCD with green light backlight, easy reading.
* Can default auto power off or manual power off.
* Data hold, record max. and min. reading.
* Microcomputer circuit, high accuracy.
* Power by UM3/AA (1.5 V) x 6 batteries or DC 9V adapter.
* RS232/USB PC COMPUTER interface.
* Heavy duty & compact housing case.
GENERAL SPECIFICATIONS

Circuit	Custom one-chip of microprocessor LSI
	circuit.
Display	LCD size : 52 mm x 38 mm
	LCD with green backlight (ON/OFF).
Measurement	30 - 130 dB.
Range	
Resolution	0.1 dB.
Function	dB (A & C frequency weighting),
	Time weighting (Fast, Slow),
	Peak hold, Data hold
	Record (Max., Min.).
Accuracy	Characteristics of " A " frequency
(23 ± 5 ℃)	weighting network meet IEC 61672-1-2013
	class 2.
	Under 94 dB input signal, the accuracy
	are :
	31.5 Hz reading ±3.0 dB
	63 Hz reading ±2.0 dB
	125 Hz reading ±1.5 dB
	250 Hz reading ±1.5 dB
	500 Hz reading ±1.5 dB
	1 K Hz reading ±1.0 dB
	2 K Hz reading ±2.0 dB
	4 K Hz reading ±3.0 dB
	8 K Hz reading ±5.0 dB
	Remark :
	The above spec. are tested under the environment RF Field Strength less
	than 3 V/M & frequency less than 30
	MHz only.
	winz offiy.
Frequency	Characteristics of A & C.
Neighting	
Network	A weighting :
	The characteristic is simulated as "Human
	Ear Listing" response. Typical, if making
	the environmental sound level
	measurement, always select to A
	weighting.
	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.
Data hold	To freeze the measurement value.
Peak hold	To keep the peak (max.) measurement
	value.
	value.

 PATENT
 CHINA : ZL 2008 2 0189918.5
 ZL 2008 2 0189917.0

 Germany : Nr. 20 2008 016 337.4
 JAPAN : 3151214

 * Appearance and specifications listed in this brochure are subject to change without notice.
 PATENT TAIWAN : M 358970 M 359043 U.S.A. : Pending