SD card real time data recorder 4 to 20 mA output SOUND LEVEL DATA RECORDER

Model: MSL-388SD

ISO-9001, CE, IEC1010











The Art of Measurement

SD card real time data recorder 4 to 20 mA output

SOUND LEVEL DATA RECORDER

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* Frequency and * A & C weightin	Time weighting are designed to meet IEC 61672 class 2. g networks comply with standards.	Time weighting	
	trix with backlight and easy reading.	(FAST &S	
	d Sound level meter.		
	microphone head. g (Fast & Slow) dynamic characteristic modes.		
	prophone for high accuracy & long-term stability.	Function s	
* Memory function	on to store the Max. & Min. value.	SPI	
 * Hold functions * Real time Data 		Froguopo	
Records device		Frequency Microphor	
	(SD memory card), Real time Datalogger, it Built-in	Microphor	
	ndar, real time data recorder, sampling time set	Calibration	
	0,120,300,600,1800,3600 seconds.		
time to 0 seco	· 1 5		
	d easy operation, computer is not need to	Calibrator	
	ftware, after execute datalogger, just take	Detalogge	
	ard from the meter and plug in the SD card uter, it can download the all the measured	Datalogge Sampling	
value with the time information (year/month/date/			
	econd) to the Excel directly, then user can		
	her data or graphic analysis by themselves.		
	ty : 1 GB to 16 GB. to power off or manual power off.		
* 4-20 mA analo			
* Microcomputer	circuit, high accuracy.	Memory d	
* Power by UM4	/AAA (1.5 V) x 6 batteries or DC 9V adapter.		
	COMPUTER interface.	Advanced	
Heavy duty & t	compact housing case.	setting	
SPECIFICATIO	NS		
Circuit	it Custom one-chip of microprocessor LSI		
Diaplay	circuit.		
Display	LCD size : 50 mm x 30 mm LCD with green backlight (ON/OFF).	Over India	
Measurement	SPL : Sound pressure level	Data Hold	
Туре		Memory R	
Measurement	SPL: 30-80,50-100,80-130, Auto 30 - 130 dB.	Sampling	
Range Resolution	0.1 dB.	of Display Data Outp	
Function	dB (A & C frequency weighting),		
lanction	Time weighting (Fast, Slow),		
	Data hold		
A	Record (Max., Min.).	Davian off	
Accuracy (23 ± 5 ℃)	Characteristics of " A " frequency weighting network meet IEC 61672 class 2.	Power off	
(23 ± 3 €)	Under 94 dB input signal, the accuracy	Operating	
	are :	Temperat	
		Operating	
	$\frac{31.5}{12}$ Hz ± 3.5 dB	Humidity	
	63 Hz ± 2.5 dB 125 Hz ± 2.0 dB	Power Sup	
	$250 \text{ Hz} \pm 2.0 \text{ Hz}$ 250 Hz ± 1.9 dB		
	500 Hz ± 1.9 dB		
	1 K Hz ± 1.4 dB	Power Cu	
	2 K Hz $\pm 2.6 \text{ dB}$		
	4 K Hz ± 3.6 dB 8 K Hz ± 5.6 dB		
Frequency	Characteristics of A & C.	7	
Weighting Network	A weighting :		
	The characteristic is simulated as "Human	Maint	
	Ear Listing" response. Typical, if making the environmental sound level	Weight Dimensior	
	measurement, always select to A	Dimension	
	weighting.	Accessorie	
		Included	
	C weighting :	Onting	
	The characteristic is near the "FLAT" response. Typical, it is suitable for	Optional Accessorie	
	checking the noise of machinery (Q.C.	1000330110	
	check) & knowing the sound pressure		
	level of the tested equipment.		

Time	Fast - t =			
weighting		"Fast" range is simulated the human ear		
(FAST &SLOW)		response time weighting. Slow - t = 1 s		
		range is easy to get the average		
		of vibration sound level.		
Function selector	range :			
SPL	30-80dB, 50-100dB, 80-130dB			
	Auto	range : 30~130dB.		
Frequency	31.5 to 8,000 Hz.			
Microphone type	Electric condenser microphone.			
Microphone size	Out size, 12.7 mm DIA. (1/2 inch).			
Calibration VR	Build in external calibration (key), easy to calibrate on 94 dB level by key button.			
		ed via external SOUND		
		ATOR (SC-941, SC-942, optional).		
Calibrator		iel & kjaer), MULTIFUNCTION		
		CALIBRATOR Type 4226.		
Datalogger	Auto	5,10,30,60,120,300,600,1800,		
Sampling Time		3600 seconds		
Setting range		@ Sampling time can set to 1 second,		
		but memory data may loss.		
	Manual	Push the data logger button		
		once will save data one time.		
		@ Set the sampling time to		
Memory device	ovtornal ~	0 second. nemory device (AC Adapter only) :		
Memory device		ory card. 1 GB to 16 GB.		
Advanced	* Set cloc			
setting		Aonth/Date,Hour/Minute/ Second)		
J	* Set sampling time			
	* Auto po	wer OFF management		
	* Set bee	p Sound ON/OFF		
		point of SD card setting		
		nory card Format		
Over Indication	Show "			
Data Hold	Freeze the display reading.			
Memory Recall Sampling Time		& Minimum value.		
of Display	Approx. 1	second.		
Data Output	RS 232/119	SB PC computer interface.		
Duta Output		t the optional RS232 cable, UPCB-02 will		
	get the	RS232 plug.		
	* Connect	t the optional USB cable, USB-01 will get		
	the USB	plug.		
Power off		off saves battery life or manual off by		
	push butto			
Operating	0 to 50 ℃			
Temperature	Less than	959/ D LI		
Operating Humidity	re22 (19U	0070 K.H.		
Power Supply	* ,Alkaline	or heavy duty DC 1.5 V battery		
		AAA) x 6 PCs, or equivalent.		
		dapter input. (AC/DC power		
	adapter	is optional).		
Power Current	Normal op	eration (w/o SD card save data and		
		ight is OFF) :		
		DC 16 mA.		
		card save the data but and LCD Backlight		
	is OFF) :	DC 16 mA		
		DC 16 mA. backlight on, the power consumption will		
		e approx. DC 8 mA.		
Weight		5 LB. (without battery)		
Dimension	132 x 80 x			
		x 1.3 inch).		
Accessories	* Instruct	ion manual1 PC		
Included		4 to 20 mA output (SKT-AS385)1 PC		
	* Micopho	one with clip 1 PC		
Optional	* Sound c	alibrator (94 dB), SC-941.		
Accessories	* Sound c	alibrator (94/114 dB), SC-942.		
		vind shield ball, SB-01		
	* SD Card			
		ble, USB-01. cable, UPCB-02.		
		guisition software, SW-E2005.		
		C 9V adapter.		
	1 10 10 0	o , · adaptor.		

* Appearance and specifications listed in this brochure are subject to change without notice.

To freeze the measurement value.

Data hold