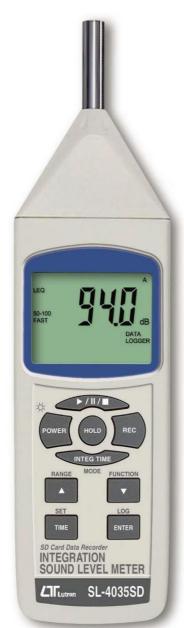
SD card real time data recorder

INTEGRATING SOUND LEVEL METER

Model : SL-4035SD

ISO-9001, CE, IEC1010

www.yalab.com.tw 02-2389-0101 04-2227-0088





Wind shield ball SB-01 (optional)







www.YaLAB.com.tw

The Art of Measurement

SD card real time datalogger, RS232/USB Frequency weighting and Time weighting meet IEC 61672 class 2 **INTEGRATING SOUND LEVEL METER**

Model : SL-4035SD

FEATURES
* Frequency and Time weighting are designed to meet
IEC 61672 class 2.
* The meter with programmable integrating time provides
precise linearity over a wide range (100dB) and displays
Leg and SPL measurements.
* 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.
* 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 download 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.
Leq, SEL, SPL, MAX-L, and MIN-L measurements.

SPECIFICATION Circuit		٦		
Circuit	Custom one-chip of microprocessor LSI circuit.			
Display	LCD size : 52 mm x 32 mm LCD with green backlight (ON/OFF).			
Measurement Type	SPL : Sound pressure level Leq : Equivalent Continuous Noise Level			
Measurement Range	30 - 130 dB.			
Resolution	0.1 dB.			
Function	dB (A & C frequency weighting), Time weighting (Fast, Slow), Peak hold, Data hold Record (Max., Min.).			
Accuracy (23 ± 5 °C) Frequency Weighting Network	Characteristics of " A " frequency weighting network meet IEC 61672 class 2 Under 94 dB input signal, the accuracy are :	P		
	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	C F P		
	4 K 4 Z $\pm 3.6 \text{ dB}$ 8 KHz $\pm 5.6 \text{ dB}$ Remark : The above spec. are tested under the environment RF Field Strength less than 3 V/M & frequency less than 30 MHz only . Characteristics of A & C.	P		
	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.			
Peak hold	To keep the peak (max.) measurement value.			

Data hold	To freeze the measurement value.			
Time	Fast - t = 125 ms			
weighting	* "Fast" range is simulated the human ear			
(FAST &SLOW)	response timeweighting. Slow - t = 1 s			
		* "Slow" range is easy to get the average		
Deve en en el entre el		es of vibration sound level.		
Range selector	Auto range: 30 to 130 dB.			
	Manual range :			
	2 range, 30 to 80 dB, 80 to 130 dB, 50 dB on each step,			
		over & under range indicating.		
Frequency		8,000 Hz.		
Microphone		condenser microphone.		
type	LICCUIC	condenser microphone.		
Microphone	Out size	, 12.7 mm DIA. (1/2 inch).		
size	Out Size	, 12.7 min DIA. (1/2 men).		
Calibration VR	Build in	external calibration VR, easy to		
		e on 94 dB level by screw driver.		
		ated via external SOUND		
		BRATOR (SC-942, optional).		
Calibrator	B & K (Bruel & kjaer), MULTIFUNCT			
Calibrator	ACOUST	TC CALIBRATOR Type 4226.		
Datalogger	Auto	1 second to 3600 seconds		
Sampling Time	7 1010	@ Sampling time can set to 1 second,		
Setting range		but memory data may loss.		
Security railye	Manual	Push the data logger button		
	manudi	once will save data one time.		
		@ Set the sampling time to		
		 Set the sampling time to 0 second. 		
		@ Manual mode, can also select the		
		1 to 99 position (Location) no.		
Memory Card	SD mem	nory card. 1 GB to 16 GB.		
Advanced		ock time		
setting		r/Month/Date,Hour/Minute/ Second		
setting		amplingtime		
		power OFF management		
		eep SoundON/OFF		
		nal point of SD card setting		
	* SD memory card Format			
O	Show "	ency weighting to A or C setting		
Over Indication Data Hold		he display reading.		
Memory Recall		m & Minimum value.		
Sampling Time		1 second.		
	Approx.	i secolu.		
of Display Data Output	00 222/	USB PC computer interface.		
	* Connect the optional RS232 cable			
	UPCB-02 will get the RS232 plug.			
		ect the optional USB cable		
AC output)1 will get the USB plug. /rms corresponding to each		
AC output		1 5		
	range st	t impedance : 600 ohm.		
D				
Power off		ut off saves battery life or		
Onevetin	0 ·	off by push button.		
Operating	0 to 50	С.		
Temperature	1	in 85% R.H.		
Operating	I Acc the			
	LCSS UID	III 05% K.N.		
Humidity				
	* Alkalir	ne or heavy duty DC 1.5 V battery		
Humidity	* Alkalir (UM3	ne or heavy duty DC 1.5 V battery 8, AA) x 6 PCs, or equivalent.		
Humidity	* Alkalir (UM3 * DC 9V	ne or heavy duty DC 1.5 V battery 8, AA) x 6 PCs, or equivalent. 7 adapter input. (AC/DC power		
Humidity Power Supply	* Alkalir (UM3 * DC 9V adapt	ne or heavy duty DC 1.5 V battery 8, AA) × 6 PCs, or equivalent. ' adapter input. (AC/DC power er is optional).		
Humidity	* Alkalir (UM3 * DC 9V adapt	he or heavy duty DC 1.5 V battery λ , AA) λ 6 PCs, or equivalent. λ' adapter input. (AC/DC power er is optional). operation (w/o SD card save		
Humidity Power Supply	* Alkalin (UM3 * DC 9V adapt Normal data and	he or heavy duty DC 1.5 V battery by AA) x 6 PCs, or equivalent. c'adapter input. (AC/DC power er is optional). operation (w/o SD card save d LCD Backlight is OFF) :		
Humidity Power Supply	* Alkalin (UM3 * DC 9V adapt Normal data and	he or heavy duty DC 1.5 V battery λ , AA) λ 6 PCs, or equivalent. λ' adapter input. (AC/DC power er is optional). operation (w/o SD card save		
Humidity Power Supply	* Alkalir (UM3 * DC 9V adapt Normal data and Appro	he or heavy duty DC 1.5 V battery by AA) x 6 PCs, or equivalent. c'adapter input. (AC/DC power er is optional). operation (w/o SD card save d LCD Backlight is OFF) :		
Humidity Power Supply	* Alkalir (UM3 * DC 9V adapt Normal data and Appro When Sl	he or heavy duty DC 1.5 V battery B, AA) x 6 PCs, or equivalent. 'adapter input. (AC/DC power er is optional). operation (w/o SD card save d LCD Backlight is OFF) : x. DC 12 mA.		
Humidity Power Supply	* Alkalir (UM3 * DC 9V adapt data and Appro When SI LCD Bac	he or heavy duty DC 1.5 V battery B, AA) x 6 PCs, or equivalent. ' adapter input. (AC/DC power er is optional). operation (w/o SD card save d LCD Backlight is OFF) : x. DC 12 mA. D card save the data but and		
Humidity Power Supply	* Alkalin (UM3 * DC 9V adapt Normal data and Appro When SI LCD Bac Appro	the or heavy duty DC 1.5 V battery by A) \times 6 PCs, or equivalent. ' adapter input. (AC/DC power er is optional). operation (w/o SD card save d LCD Backlight is OFF) : x. DC 12 mA. D card save the data but and cklight is OFF) :		
Humidity Power Supply	* Alkalin (UM3 * DC 9V adapt Normal data and Appro When SI LCD Bac Appro * If LCD	he or heavy duty DC 1.5 V battery , AA) x 6 PCs, or equivalent. 'adapter input. (AC/DC power er is optional). operation (w/o SD card save d LCD Backlight is OFF) : x. DC 12 mA. D card save the data but and klight is OFF) : x. DC 51 mA.		
Humidity Power Supply	* Alkalin (UM3 * DC 9V adapt Normal data and Appro When SI LCD Bac Appro * If LCD	he or heavy duty DC 1.5 V battery B, AA) x 6 PCs, or equivalent. ' adapter input. (AC/DC power er is optional). operation (w/o SD card save d LCD Backlight is OFF) : x. DC 12 mA. D card save the data but and klight is OFF) : x. DC 51 mA. b backlight on, the power mption will increase approx.		
Humidity Power Supply	* Alkalir (UM3 * DC 9V adapt Normal data and Appro When SI LCD Bac Appro * If LCD consu	he or heavy duty DC 1.5 V battery (, AA) x 6 PCs, or equivalent. (adapter input. (AC/DC power er is optional). operation (w/o SD card save d LCD Backlight is OFF) : x. DC 12 mA. D card save the data but and cklight is OFF) : x. DC 51 mA. backlight on, the power mption will increase approx. A.		
Humidity Power Supply Power Current	* Alkalir (UM3 * DC 9V adapt Normal data and Appro * If LCD consu 30 mÅ 489 g/1.	he or heavy duty DC 1.5 V battery (, AA) x 6 PCs, or equivalent. (adapter input. (AC/DC power er is optional). operation (w/o SD card save d LCD Backlight is OFF) : x. DC 12 mA. D card save the data but and cklight is OFF) : x. DC 51 mA. backlight on, the power mption will increase approx. A.		
Humidity Power Supply Power Current Weight	* Alkalir (UM3 * DC 9V adapt Normal 1 data and Appro When SI LCD Bac Appro * If LCD consu 30 m/ 489 g/1. 245 x 66	he or heavy duty DC 1.5 V battery , AA) x 6 PCs, or equivalent. 'adapter input. (AC/DC power er is optional). operation (w/o SD card save d LCD Backlight is OFF) : x. DC 12 mA. D card save the data but and klight is OFF) : x. DC 51 mA. · backlight on, the power mption will increase approx. A. 08 LB.		
Humidity Power Supply Power Current Weight	* Alkalir (UM3 * DC 9V adapt Normal 1 data and Appro When SI LCD Bac Appro * If LCD consu 30 m/ 489 g/1. 245 x 62 (9.6 x 2	he or heavy duty DC 1.5 V battery k_{1} , AA) x 6 PCs, or equivalent. t' adapter input. (AC/DC power er is optional). operation (w/o SD card save d LCD Backlight is OFF) : x_{2} , DC 12 mA. D card save the data but and k light is OFF) : x_{2} , DC 51 mA. b backlight on, the power mption will increase approx. A_{2} . O8 LB. B x 45 mm.		
Humidity Power Supply Power Current Weight Dimension Accessories	* Alkalir (UM3 * DC 9V adapt Normal data and Appro When SI LCD Bac Appro * If LCD consu 30 m/ 489 g/1 245 x 66 (9.6 x 2 * Instru-	he or heavy duty DC 1.5 V battery , AA) x 6 PCs, or equivalent. / adapter input. (AC/DC power er is optional). operation (w/o SD card save d LCD Backlight is OFF) : x. DC 12 mA. D card save the data but and cklight is OFF) : x. DC 51 mA. b acklight on, the power mption will increase approx. A. 08 LB. 3 x 45 mm. .7x 1.9 inch). ction manual		
Humidity Power Supply Power Current Weight Dimension Accessories Included	* Alkalir (UM3 * DC 9V adapti Normal data and Appro When Si LCD Bac Appro * If LCD consu 30 mÅ 489 g/1. 245 x 66 (9.6 x 2 * Instru- * Hard of	he or heavy duty DC 1.5 V battery (, AA) × 6 PCs, or equivalent. ('adapter input. (AC/DC power er is optional). operation (w/o SD card save d LCD Backlight is OFF) : x. DC 12 mA. D card save the data but and klight is OFF) : x. DC 51 mA. backlight on, the power mption will increase approx. A. 108 LB. 3 x 45 mm. 2.7x 1.9 inch). ction manual		
Humidity Power Supply Power Current Weight Dimension Accessories Included Optional	* Alkalir (UM3 DC 9V adapt data and Appro When SI LCD Bac Appro Vhen SI LCD Bac Appro v Hr LCD consu 30 m/ 489 g/1. 245 x 61 (9.6 x 2 * Instru * Hard c * Sounc	he or heavy duty DC 1.5 V battery B, AA) x 6 PCs, or equivalent. ' adapter input. (AC/DC power er is optional). operation (w/o SD card save d LCD Backlight is OFF) : x. DC 12 mA. D card save the data but and klight is OFF) : x. DC 51 mA. b backlight on, the power mption will increase approx. A. 08 LB. 3 x 45 mm. 2.7x 1.9 inch). ction manual		
Humidity Power Supply Power Current Weight Dimension Accessories Included	* Alkalir (UM3 * DC 9V adaptr Normal data and Appro When SI LCD Bac Appro * If LCD consu 30 m/ 489 g/1. 245 x 6d x 2 * Instru * Hard c * Sounc	ne or heavy duty DC 1.5 V battery B, AA) x 6 PCs, or equivalent. Y adapter input. (AC/DC power er is optional). operation (w/o SD card save d LCD Backlight is OFF) : x. DC 12 mA. D card save the data but and klight is OFF) : x. DC 51 mA. b backlight on, the power mption will increase approx. A. 08 LB. 3 x 45 mm. 		
Humidity Power Supply Power Current Weight Dimension Accessories Included Optional	* Alkalir (UM3 * DC 9V adapt Normal data and Appro When SI LCD Bac Appro * If LCD consu 30 m/ 489 g/1 245 x 66 (9.6 x 2 * Instru- * Instru- * Sound * Sound * Sound	he or heavy duty DC 1.5 V battery , AA) \times 6 PCs, or equivalent. / adapter input. (AC/DC power er is optional). operation (w/o SD card save d LCD Backlight is OFF) : x. DC 12 mA. D card save the data but and cklight is OFF) : x. DC 51 mA. backlight on, the power mption will increase approx. A. .08 LB. 3 \times 45 mm. .7x 1.9 inch). ction manual		
Humidity Power Supply Power Current Weight Dimension Accessories Included Optional	* Alkalir (UM3 * DC 9V adapt Normal data and Appro When St LCD Bac Appro * If LCD consu 30 m/ 489 g/1. 245 x 66 (9.6 x 2 * Instru- * Hard o * Sound * Sound * Sound * Sound	he or heavy duty DC 1.5 V battery AA) x 6 PCs, or equivalent. A dapter input. (AC/DC power er is optional). operation (w/o SD card save d LCD Backlight is OFF) : x. DC 12 mA. D card save the data but and cklight is OFF) : x. DC 51 mA. b backlight on, the power mption will increase approx. A. 08 LB. 3 x 45 mm. 2.7x 1.9 inch). ction manual		
Humidity Power Supply Power Current Weight Dimension Accessories Included Optional	* Alkalir (UM3 * DC 9V adapt Normal data and Appro When SI LCD Bac Appro * If LCD at Markow * Sound *	ne or heavy duty DC 1.5 V battery B, AA) x 6 PCs, or equivalent. ' adapter input. (AC/DC power er is optional). operation (w/o SD card save d LCD Backlight is OFF) : x. DC 12 mA. D card save the data but and klight is OFF) : x. DC 51 mA. b backlight on, the power mption will increase approx. A. 08 LB. 3 x 45 mm. 2.7x 1.9 inch). ction manual		
Humidity Power Supply Power Current Weight Dimension Accessories Included Optional	* Alkalir (UM3 * DC 9V adaptr Normal data and Appro When SI LCD Bac Appro * If LCD consu 30 m/ 489 g/1. 245 x 63 (9.6 x 2 * Instru * Hard o * Sound * Sound	ne or heavy duty DC 1.5 V battery B, AA) x 6 PCs, or equivalent. ' adapter input. (AC/DC power er is optional). operation (w/o SD card save d LCD Backlight is OFF) : x. DC 12 mA. D card save the data but and cklight is OFF) : x. DC 51 mA. b backlight on, the power mption will increase approx. A. 108 LB. 3 x 45 mm. 2.7x 1.9 inch). ction manual		
Humidity Power Supply Power Current Weight Dimension Accessories Included Optional	* Alkalir (UM3 * DC 9V adaptr Normal data and Appro When SI LCD Bac Appro * If LCD consu 30 m/ 489 g/1. 245 x 66 (9.6 x 2 * Instru * Hard c * Sound * Sound	ne or heavy duty DC 1.5 V battery (a), AA) x 6 PCs, or equivalent. (a) dapter input. (AC/DC power er is optional). operation (w/o SD card save d LCD Backlight is OFF) : x. DC 12 mA. D card save the data but and cklight is OFF) : x. DC 51 mA. backlight on, the power mption will increase approx. A. .08 LB. 3 x 45 mm. .7x 1.9 inch). ction manual		
Humidity Power Supply Power Current Weight Dimension Accessories Included Optional	* Alkalir (UM3 * DC 9V adapt Normal data and Appro When SI LCD Bac Appro * If LCD consu 30 m/ 489 g/1 245 x 66 (9.6 × 2 * Instru- * Hard c * Sound *	he or heavy duty DC 1.5 V battery AA) x 6 PCs, or equivalent. A dapter input. (AC/DC power er is optional). operation (w/o SD card save 1 LCD Backlight is OFF) : x. DC 12 mA. D card save the data but and cklight is OFF) : x. DC 51 mA. b acklight on, the power mption will increase approx. A. 08 LB. 3 x 45 mm. 2.7x 1.9 inch). ction manual		
Humidity Power Supply Power Current Weight Dimension Accessories Included Optional	* Alkalir (UM3 * DC 9V adapt Normal data and Appro * If LCD consu 30 m/ 489 g/1. 245 x 65 (9.6 x 2 * Instru- * Sound * Sound	ne or heavy duty DC 1.5 V battery (a), AA) x 6 PCs, or equivalent. (a) dapter input. (AC/DC power er is optional). operation (w/o SD card save d LCD Backlight is OFF) : x. DC 12 mA. D card save the data but and cklight is OFF) : x. DC 51 mA. backlight on, the power mption will increase approx. A. .08 LB. 3 x 45 mm. .7x 1.9 inch). ction manual		

* Appearance and specifications listed in this brochure are subject to change without notice. www.YaLAB.com.tw 02-2389-0101 04-2227-0088

1303-SL4035SD