



SCARLET | TECH

Class 1 Integrating Sound Level Meter

# ST-11D



IEC  
61672-1:2013  
CLASS 1

- IEC 61672:2013 Class 1
- 27 dB~140 dB wide measurement range
- $\pm 0.7$ dB high accuracy & 0.1dB resolution
- Leq value with A/C/Z/B frequency weightings
- Data Logging & Record functions
- RS232 & USB Data Output

# Specification

Model	ST-11D
Fulfil Standard	IEC 61672:2013 Class 1
Normal Frequency	10 Hz~20 kHz
Measurement Range	27~140 dB
Measurement Level	Z(FLAT): 38 ~ 130dB / C peak: 145dB / Z(FLAT): peak: 145dB
Accuracy	±0.7 dB
Resolution	0.1dB
Frequency Weighting	A, C, Z, B
Time Weighting	F, S, I, Peak
Integrating Time	1s~24h
Dimensions	310×72×32 mm
Display	128×64 OLED
Weight	0.4kg
Main Parameters of Measuremen	LFp, LSp, Llp, Leq,t, Lpeak, Leq,T, LFmax, LFmin, LSmax, LSmin, LImax, LImin< SEL, Lex8h, LAVG, TWA, DOSE, Ln1, Ln2, Ln3, Ln4, Ln5, SD, Ts, Tm, Volt, E.
Datalogging	Stores 8000 groups measurement results including Timestamp, %Dose, TWA
Power Supply	4x AAA Batteries or external power supply
Output Interface	AC, DC, RS-232, USB interface
Application	Sound Level Meter/ Noise Dosimeter/ Data logging & Precision recording(Opt)
Operation Environment	Air temperature: -15°C~+50 °C Relative humidity: 10 %~90 % Air pressure: 65 kPa~108 kPa
Package Contents	Sound Level Meter, Calibration Certificate, 1/2" Prepolarized Condenser Microphone, Windscreen, RS232 Cable, Mini USB Cable, User Manual, Waterproof Carrying Case.

# Optional Accessories



Portable Printer	(ST-11D)
Mode	Dot Matrix Printing
Velocity	Fast, 5.5mm/s
Connection Mode	RS232, USB
Power supply	7.4V/2000mAh Li-ion battery
Charging time	< 3 hours
Standby Time	100 hours
Working Time	90 m
Paper Width	57mm, 40mmΦ
Dimension	120x97x44 mm

Class 1 Sound Calibrator	
Standard	IEC 60942 Class 1 / ANSI S1.40-1984
Sound Level Output	94dB & 114dB
Frequency	1KHz ± 1%, Class1, A
Harmonic Distortion	±3%
Power supply	9V Battery x 1
Dimensions	48mm (Dia)x 125mm (L)
Weight	285g (battery included)



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version 220222