



PROFESSIONAL DIGITAL SOUND-LEVEL METER

Model	HT154	HT155	HT157
Instrument category (class)	Class 2	Class 1	Class 1
Noise measuring range	30 ÷ 130dB	25 ÷ 140dB	25 ÷ 140dB
Noise measurement resolution	0.1dB	0.1dB	0.1÷0.01dB
Frequency range	30Hz ÷ 8kHz	10Hz ÷ 20kHz	10Hz ÷ 20kHz
Dynamic range	50dB	90dB	90dB
Sound pressure level (SPL) measurement	•	•	•
Measurement of noise equivalent levels (Leq)		•	•
Frequency weighting	A/C	A/C/Z	A/C/Z
Integration over time	Fast/Slow	Fast/Slow/ Impulse	Fast/Slow/ Impulse
Integration with programmable period		•	•
Peak measurements (Peak-, Peak+)		•	•
MAX/MIN SPL value display	•	•	•
Statistic analysis of noise with "A" weighting		•	•
SPL analysis over 24H		•	•
Spectrum analysis with filter in octave band (1/1)			• 19Hz÷16kHz
Spectrum analysis with filter in 1/3 octave band			• 12.5Hz÷16kHz
Supplied portable calibrator	• (Class 2)	• (Class 1)	• (Class 1)
Manual calibration with trimmer	•	•	•
Accurate calibration with internal procedure		•	•
Pre-polarized "1/2" condenser microphone	•	•	•
AC and DC analogue outputs with 3.5mm jack	•	• (AC only)	• (AC only)
Internal memory for data saving		• (128 records)	• (128 records)
Recalling results on the display		•	•
Mini-USB interface for PC connection		•	•
Data transfer to USB flash drive		•	•
Windows software for saved data analysis		•	•
Display	LCD 3½ digits	LCD matrix 240 x 160	LCD matrix 240 x 160
Display backlighting		•	•
Power supply	Battery 1 x 9V 6F22	Battery 4 x 1,5V AA	Battery 4 x 1,5V AA
External power supply provided		•	•
Reference standard	IEC 61672 Class 2	IEC 61672 Class 1	IEC 61672 Class 1 IEC 61620 Class 1
Dimensions (LxWxHmm)	289x80x32	285x90x39	285x90x39
Weight (batteries included)	300g	500g	500g
Page	82	83	83

HT154 DIGITAL SOUND-LEVEL METER TYPE 2

Model HT154 is a precision digital sound-level meter Type (Class) 2, ideal for common inspections on environmental noise, verifications of soundproofing levels, sound pollution, etc., with no obligation for certifications according to reference standards. This instrument is extremely simple and intuitive to use thanks to its wide LCD display and to the management of all operations by means of 5 keys only. This instrument allows measuring sound pressure levels (SPL) with A and C weighting with Fast and Slow integrations indicated in the measure of the various types of environmental noise. The sound-level meter HT154 is provided with a portable calibrator for integrity checks before any operation is carried out, inside a practical transport case with all useful accessories for measurement.

FUNCTIONS

- Sound-level meter category: Type (Class) 2
- Measuring range: 30 ÷ 130dB
- Noise measurement resolution: 0.1dB
- Dynamic range: 50dB
- Sound pressure level (SPL) measurement
- Weighting in A and C frequency
- Integration over time: Fast / Slow
- MAX / MIN SPL display
- ½ condenser microphone
- AC and DC Analogue outputs (max 1V)
- Manual calibration with trimmer
- Supplied portable calibrator

GENERAL SPECIFICATIONS

Display	LCD, 3½ digits
Power supply	1x9V battery type IEC 6F22
Reference standard	IEC 61672 type2
Size (LxWxH) mm	289x80x32
Weight (with batteries)	300g

ACCESSORIES

Standard

- Portable calibrator HT150 with built-in battery
- Windproof protection
- Screwdriver for manual calibration of sound-level meter
- Jack for AC/DC analogue outputs
- Rigid transport bag
- Battery for sound-level meter
- User manual for sound-level meter

HT154
HN000154





1. TECHNICAL SPECIFICATIONS

Accuracy is referred to 23°C±5°C ; <80%RH

SOUND PRESSURE LEVEL (SPL)

Range	Dynamic range	Resolution	Accuracy	Frequency Weighting	Frequency range
30 ÷ 80dB	50dB	0.1dB	±1.5dB	A, C	31.5Hz ÷8kHz
50 ÷ 100dB					
80 ÷ 130dB					

TIME INTEGRATION

Function	Integration time
FAST	125ms
SLOW	1sec

ANALOGICAL OUTPUT

Output	Output voltage	Output impedance
AC	1Vrms respect selected F.S.	50Ω
DC	10mV/dB	100Ω

MICROPHONE

- ½ inches Electret condenser

2. GENERAL SPECIFICATIONS

Power supply:

- 9V alkaline battery type NEDA1604, JIS006P, IEC6F22
- Battery life: about 30 hours
- Low battery indication
- External DC adapter: 9VDC output voltage
>30mADC output current

Display:

- LCD, 3½ digits
- Display update: 0.5s

Working temperature & humidity:

- 5°C to 40°C ; <80%RH

Storage temperature & humidity:

- -10°C to 60°C ; <80%HR

Mechanical specification:

- Size: 280(L) x 80(W) x 32(H)mm
- Weight (with battery): about 300g

Reference standards:

- Safety: EN61010-1, Class 2 (double insulation)
- IEC 651 Type 2, ANSI S1.4 Type 2