



# SOUND LEVEL METERS



## SOUND LEVEL METERS



HT157



HT155



HTA102

**NEW**

	CLASS 1		CLASS 2
Device category (Class)	Class 1	Class 1	Class 2
Noise measuring range	25 ÷ 140dB	25 ÷ 140dB	30 ÷ 130dB
Noise measurement resolution	0.1 ÷ 0.01dB	0.1dB	0.1dB
Frequency range	10kHz ÷ 20kHz	10kHz ÷ 20kHz	31.5kHz ÷ 8kHz
Dynamic range	90dB	90dB	50dB
Measurement of sound pressure level (SPL)	•	•	•
Measurement of equivalent noise levels (Leq)	•	•	-
Frequency weighting	A/C/Z	A/C/Z	A/C
Integration over time	Fast/Slow/Impulse	Fast/Slow/Impulse	Fast/Slow
Integration with programmable period	•	•	•
Peak measurements (Peak-, Peak+)	•	•	-
Display of MAX/MIN values of SPL	•	•	•
Statistic analysis of noise with "A" weighting	•	•	-
SPL analysis in 24H	•	•	-
Spectrum analysis with octave-band filter (1/1)	• 19Hz ÷ 16kHz	-	-
Spectrum analysis with 1/3 octave-band filter	•	-	-
Mobile calibrator provided	• Class 1	• Class 1	• Class 2
Manual calibration with trimmer	•	•	•
Precise 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	128	•
Recalling of results on the display	•	•	-
Mini-USB interface for PC connection	•	•	•
Transfer of saved data onto USB Pen Drive	•	•	-
Windows software for saved data analysis	•	•	•
Display	LCD 240 x 160	LCD 240 x 160	LCD 4 digits
Display backlight	•	•	•
Power supply	4x 1.5V AA	4x 1.5V AA	1x 9V
Provided external power supply	•	•	•
Reference standards	IEC61672 Class 1 IEC61620 Class 1	IEC61672 Class 1	IEC61672 Class 2
Size (LxWxH) (mm)	285x90x39	285x90x39	255x60x40
Weight in grams (batteries included)	500	500	265
<b>Order code</b>	<b>HN000157</b>	<b>HN000155</b>	<b>HN000102</b>

ORDER CODE **HN000155** | **HN000157**

# HT155|HT157

DIGITAL INTEGRATING SOUND LEVEL METERS TYPE 1

HT157 and HT155 are mobile integrating sound level meters Type 1 (Class 1) which can be used to **monitor the equivalent level of noise (Leq)**, measure **Peak values**, check **soundproofing levels**, **acoustic pollution**, etc. they are also indicated for **certification according to the laws** currently in force as regards **environmental noise measurements** and in **working environments**. These devices have a **wide measuring range (from 25 to 140dB)** and **multiple functions** such as **statistic analysis**, **24H analysis**, **integration of Leq over time**, which are indispensable elements when measuring. These models also allows carrying out **detailed analyses of spectrum components of noise** using integrated **octave-band filters** and **1/3 octave-band filters** (only HT157) and they are provided with an **internal memory to save data** and with a **USB interface for transferring data to the PC** through **dedicated software** in a Windows environment with **possibility of numerical, graphic and statistic display**.

Sound level meters are provided with a practical and **resistant case** with a mobile calibrator for preliminary checks before each measurement is carried out.



ORDER CODE **HN000102**

# HTA102

PROFESSIONAL SOUND LEVEL METER TYPE 2 WITH RECORDING FUNCTION

HTA102 is a professional digital precision sound level meter, the ideal solution to carry out common inspection checks on **environmental noise**, verification of **soundproofing levels**, **acoustic pollution**, etc.

This model allows performing real-time measurements of sound pressure level (SPL) with A/C frequency weighting and integration in Fast/Slow time, and the recording of quantities via PC connection through dedicated software.

Sound level meter HTA102 comes in a **practical carrying case** with all of the accessories necessary for measurements.



## Functions and characteristics

	<b>HT155</b>	<b>HT157</b>
Sound level meter category	Tipo 1	Tipo 1
Noise measuring range	25÷140dB	25÷140dB
Noise measuring resolution	0.0÷10.1dB	0.0÷10.1dB
Dynamic range	> 90dB	> 90dB
Measurement of sound pressure level (SPL)	•	•
Measurement of equivalent noise levels (Leq)	•	•
Frequency weighting	A / C / Z	A / C / Z
Integration over time	F/S/ Impulse	F/S/ Impulse
Peak measurements (Peak-, Peak+)	•	•
Statistic analysis of noise type "A"	•	•
24H analysis of noise	•	•
Octave-band spectrum analysis	-	•
1/3 octave-band spectrum analysis	-	•
1/2 condenser microphone	•	•
Analogue AC output	•	•
Internal calibration in Class 1	•	•
Provided mobile calibrator	•	•
Internal memory for data saving	(128 groups)	(128 groups)
Interface with USB Pen Drive	•	•
USB interface for PC connection	•	•

## Main features

<b>Display:</b>	LCD, dot-matrix (240x160pxl) with backlight
<b>External power supply:</b>	Adapter 100-240VAC/5VDC
<b>Internal power supply:</b>	4x1.5V alkaline batteries type AA LR6
<b>Reference standards:</b>	IEC 61672:2002 type1 IEC 61260:1995 type1 ( <b>HT157</b> ) IEC 60804:1985 type1 IEC 60651:1979 type1DLgs 477/91, 195/06
<b>Size:</b>	285x90x3
<b>Weight (batteries included):</b>	500 g

## Included accessories

<b>HT151</b>	Mobile calibrator Class 1
	Power supply 100-240VAC/5VDC with USB output
	Mini-USB/USB cable for PC connection
	USB Pen Drive (TRASCEND JF V30/2GB)
	USB cable for connecting the Pen Drive to the device
	Wind protection 60mm
	Windows software for data transfer
	Transport case
	4x1.5V alkaline batteries type A LR06
	User manual, Calibration certificate of sound level meter and calibrator

## Funzioni e caratteristiche

- Sound level meter category: Type (Class) 2
- Measuring range: 30 ÷ 130dB
- Noise measurement resolution: 0.1dB
- Dynamic range: 50dB
- Measurement of sound pressure level (SPL)
- A and C frequency weighting
- Integration over time: Fast / Slow
- Display of MAX / MIN values of SPL
- Recording of parameters from software
- 1/2 inch condenser microphone
- Analogue AC and DC outputs (max 1V)
- Manual calibration with trimmer
- **Display: LCD, 4 digits**
- **Power supply: 1x9V batteries type IEC 6F22**
- **Reference standards: IEC 61672 type 2**
- **Size (LxWxH): 255x60x40mm**
- **Weight (batteries included): 265g**

## Accessori in dotazione

Wind protection
Screwdriver for manual calibration of sound level meter
Jack for analogue AC/DC outputs
Rigid transport bag
Battery for sound level meter
External power supply 230V AC / 9V DC
Windows software
User manual for sound level meter
1x9V alkaline battery type IEC 6F22
User Manual