

# Environmental Monitoring

## Digital Watt Meter Measurement level range

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



### FEATURES:

- Real-time 1/1-Octave and 1/3-Octave analysis.
- Wide linearity range of 100dB.
- Large display with backlighting.
- Real time clock with calendar.
- Memory max. 10000 records of Lp data.
- RS-232 interface.



### SPECIFICATIONS

Applicable standards	IEC 60651 Type2, IEC 60804 Type2, BS EN 6065, 1994, IEC 1260-1995
Microphone	1/2-inch Electret condenser microphone
Accuracy	+/- 1.5dB (ref 94dB @ 1KHz)
Measurement range	30dB to 130dB
Measurement function	Lp, Leq, LE, Lmax, Lmin
Frequency range	25Hz ~ 10KHz
Frequency weighting	A, C, Flat
Time weighting	Fast, Slow
Display	160x160 dot matrix display with back light Sound level meter display Numerical : 4 digits, up data cycle 0.5s, resolution 0.1dB Bar graph : Scale range 100dB, update cycle 0.125s Real time clock : Year, Month, Day, Hour, Minute, Second
Extension cable	Available in lengths of 5m (TL-F47/5M) and 10m(TL-F47/10M)
Memory capacity	10000 data (Sound level meter mode)
Signal output	AC output : 2 Vrms (at full scale) DC output : 10mVDC / dB Serial interface : RS-232, 9 pin D-sub
Power	4 pcs of C size 1.5V (LR14) batteries
External DC power supply	6V, 1A
Battery life	Approx. 2hrs
Operating Temperature/Humidity	0 °C to 40 °C, 10 to 80% RH
Dimensions & Weight	34.5(H)×10(W)×6(D) cm & Approx. 950g (including batteries)

Part No.	Product No.	Manufacturer	Description	Level range	Frequency range
21892	TES-1358	TES	Sound Analyzer	30dB~130dB	25Hz ~ 10KHz



### FEATURES

- 0.1dB Resolution
- Range from 26 to 130dB
- A&C frequency weighting
- Fast/Slow Dynamic characteristic
- Maximum with Elapsed time
- Manual data memory and read
- 5Selectable Range
- Bargraph Indication
- Logging Function (99 Sets)



### SPECIFICATIONS

Applicable standards	IEC Pub 60651 Type2, ANSI S1.4 Type 2
Digital display	4 digital LCD, 0.1 dB resolution, updated every 0.5s
Measurement Level	26dB to 130dB
Measurement Frequency range	31.5 Hz to 8KHz
Frequency Weighting	A and C
Time weight	Fast and Slow
Microphone	1/2 inch Electret condenser microphone
Measurement level range	5 ranges in 10-dB step : 30~90dB, 40~100dB 50~110dB, 60~120dB 70~130dB
Quasi-analog bar indicator	1-dB steps, 60dB display range, updated every 0.125s
Display Warning function	Displayed at the upper limit
Overrange indicator	Displayed at the lower limit
Underrange indicator	
Manual data memory capacity	99 sets
Analog AC / DC output	2Vrms ( at full scale ), 10mVDC / dB
Power supply	Four 1.5V LR-6/AA size alkaline cell, AC adapter
Battery Life	about 50 hours
Operating temperature, humidity	0 °C ~ 50 °C (32 °F ~ 122 °F) R.H. < 80% non-condensing -10 °C ~ 60 °C (14 °F ~ 140 °F) R.H. < 70% non-condensing
Dimensions	258 (L)×68(W)×27(H)mm
Weight	Approx. 310g

Part No.	Product No.	Manufacturer	Description	Level range	Frequency range
50492	TES-52	TES	Sound Level Meter	26~130dB	31.5Hz~8KHz



Part No.	Product No.	Manufacturer	Description	Level range	Frequency range
27525	TL-F47	TES	5M Microphone line FOR:TES-1357	30~80dB/50~100dB/60~110dB/80~130dB	31.5Hz~8KHz
16240	TM-101	TENMARS	Digital Sound Level Meter	30dB~130dB	31.5Hz~8KHz



Part No.	Product No.	Manufacturer	Description	Level range	Frequency range
27874	TM-102	TENMARS	Digital Watt Meter Measurement level range	30dB~130dB/35dB~130dB	31.5Hz~8KHz

## Light Measurement

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CHY-331

CHY-332

Part No.	Product No.	Manufacturer	Description
20529	CHY-331	Chy	Digital Light Meter
20531	CHY-332	Chy	Digital Light Meter

