

# 660A/660 Micro Noise Dosimeter (Badge Type)

## FEATURES

- ☐ Lightweight and small size. Intrinsic Safety Version (660A)
- ☐ Quick battery recharging.
- ☐ Calculates all the popular noise dose parameters.
- ☐ Calculates the LC-LA value.
- ☐ Wide dynamic range from 60 to a full 140dB.
- ☐ Measures simultaneously 3dB and 5dB exchange rates.

## SPECIFICATIONS

<b>Standard applied</b>	ANSI S1.25: 1992 Personal Noise Dosimeter IEC 61252: 2002 Personal Sound Exposure Meters Intrinsic safety (660A): EN 60079-0: 2006, EN60079-11: 2007, EN60079-26: 2007
<b>Microphone</b>	1/2-inch electret field replaceable threaded microphone
<b>Display</b>	128x64 pixel graphics LCD
<b>Measurement Ranges</b>	Dynamic Range: 60dB to 140dB Peak Range: 100dB to 143dB
<b>Frequency Weightings</b>	A, C and Z, Type 2
<b>Time Weightings</b>	Fast, Slow and Impulse
<b>Exchange Rate</b>	3dB, 4dB, 5dB or 6dB simultaneously
<b>Threshold Level</b>	60 – 90dB in 1dB steps
<b>Criterion Level</b>	60 – 90dB in 1dB steps
<b>Alarm warning indicators</b>	Red and blue LED's showing level noise exceedances during run
<b>Clock</b>	Real-time clock with calendar.
<b>Memory</b>	Results from 60 measurements can be stored for later viewing and download.
<b>Measurement Control</b>	Measurement Duration : May be set to 5, 10, 15, or 30 minutes or 1, 2, 4, 8, 12, or 24 hours.
<b>Timers</b>	Up to 16 timers (automatic start and stop) can be set (maximum up to one month ahead of measurement time). Timer Controlled Started / Stop : Set up from the PC software or meter keypad.
<b>Logging storage (results)</b>	At least 180 hours at 4 profiles every minute with unit showing remaining memory recording time in hours when switched on.
<b>Stored profile values</b>	Lavg (Q=5), LZpk, Leq(Q=3), LCpk
<b>Storage interval</b>	Fixed 1 minute for all 4 results simultaneously
<b>Setup</b>	Eight built-in (predefined) default setups are included. Nine additional user-defined setups can be stored.
<b>Battery</b>	2pcs. Internal NIMH rechargeable Battery Cells (1/2AAA/230mAh)
<b>Charging unit / IR PC interface</b>	Complete meter fits neatly into the charging unit (DS-01). Quick battery recharge in less than 90 mins from completely empty. Communications via the charging unit (DS-01) and USB to PC.
<b>Operating / Storage Temperature &amp; Humidity</b>	0 to 50°C (32 to 122°F), 10 to 90%RH / -10 to 60°C (14 to 140°F), 10 to 75%RH
<b>Size</b>	83.5(L) x 43.4(W) x 49(H) mm with Microphone
<b>Weight</b>	Approx. 70g
<b>Accessories</b>	Instruction manual, Carrying case, Charging unit (DS-01), AC adapter for DS-01 (up to 4 linked DS-01), CD software, USB cable.

The 660A Intrinsically Safe is labeled with the following:	
<b>ATEX:</b>	<b>FM/CSA:</b>
I M1	Class 1
II 1G	Division 1
EEx Ia IIC T2 (222°C)	Groups A, B, C and D.
EEx Ia I	Temperature classification T2
(Ta = -20°C to +40°C)	