

Date\_\_\_\_\_

Employee\_\_\_\_\_

Activity\_\_\_\_\_

Start Time\_\_\_\_\_

**Brief Operating Instructions  
AMETEK Mark 3 Noise Dosimeter**

1. **Turning the Dosimeter On** - First, slide the front cover up. Next, flip the left hand switch from 0 to 1 (Main Switch 1-G). After ten seconds the unit will start to record noise levels. The display at this point will be a timer displaying hours and minutes. Slide the front cover back down to cover the display and place the unit on the employee. Clip the microphone on the individual's shoulder such that it is pointing upward.
2. **Turning the Dosimeter Off** - When you have finished sampling the employee's exposure and wish to stop the dosimeter from recording, you need to do the following: First, slide the front cover up. Next, press the right hand button (RHB) once (Select Switch 1-H). The display will indicate two things - BATT OK and STBY. At this point, the dosimeter can be taken back to your office to record the data from the unit or it can be immediately read.  
  
**Note: Do not flip the left hand switch from 1 to 0 or you will lose all of your data.**
3. **Reading the Dosimeter** - To read the dosimeter follow the instructions on the table on the back of this form and record the numbers in the corresponding columns.
4. **To Erase the Dosimeter Data** - To erase the dosimeter's data, flip the left hand switch from 1 to 0.
5. **Questions**

Call:

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Action	Unit Display Reading:	Function	Data
Press RHB once	BATT OK (>115 dB *) STBY	The unit is in stand-by mode.	N/A
Press RHB once	BATT OK DOSE % (number) XX.X or XXX	Record the number. This is the noise dose with an 80 dB cutoff.	
Press RHB once	BATT OK Lavg/Leq (number) XX.X or XXX	Record this number. This is the average sound level using an 80 dB cutoff.	
Press RHB once	BATT OK DOSE% (blinking) (number) XX.X or XXX	Record this number. This is the noise dose with a 90 dB cutoff.	
Press RHB once	BATT OK Lavg/Leq (blinking) (number) XX.X or XXX	Record this number. This is the average sound level using a 90 dB cutoff.	
Press RHB once	BATT OK SLM dB UFL or XX.X	Dosimeter is in sound level meter mode. If UFL is displayed, it means the noise levels are less than 80 dBA. In this mode the unit can be used as a sound level meter.	
Press RHB once	BATT OK Lmax dB (number) XX.X or XXX.X	Record the number, this is the loudest continuous noise the meter recorded.	
Press RHB once	BATT OK Lmax dB (blinking) X:XX Time	Record the number. This is the time at which the meter recorded the loudest continuous noise.	
Press RHB once	BATT OK Lmax dB (blinking) (number) XXX. X	This is the highest impact noise the meter recorded. This is normally of interest only if level is above 140 dB.	
Press RHB once	BATT OK DOSE % (blinking) (number) TIME (blinking)	This is the calculated noise dose using an 80 dB cutoff and assuming that the noise levels recorded by the meter continue for eight hours.	
Press RHB once	BATT OK >115 dB * (blinking) (number) X:XX	Record the number. This is the first time that a noise level above 115 dB occurred.	
Press RHB once	BATT OK (number) X:XX TIME	Dosimeter is recording data and the cycle is completed.	
Press RHB once	BATT OK STBY	Unit is in stand by mode.	N/A

\* The >115 will only show up if the meter recorded a continuous sound level over 115 dBA. This will show up on the display continuously once a noise level above 115 dBA occurred until the unit is shut off.