

INSTRUCTION MANUAL

AWM-8 Low Cost Wall Mounted Wrist Strap and Footwear Tester

Product Description:

The Wall Mounted Wrist Strap and Footwear Tester was designed to provide low cost alternative to assure presence of properly protected personnel in ESD safe areas. The AWM-8 has AR-8 control unit. The unit can be pre-programmed to give PASS signal in one of three possible modes of operation:

Mode A: when the wrist strap test is within the specifications limits and checks "pass"

Mode B: when both wrist strap and footwear are within the specifications limits and both check "pass" when footwear (heel strap) is within the specifications limits checks "pass"

Mode C: footwear (heel strap) is within the specifications limits checks "pass"

Features:

- * Two in one instrument to check both wrist straps and footwear.
- * Extremely easy to use. Just move your finger from wrist strap button to footwear button to complete the test (without a need to remember to change a position of an additional switch from one measurement to the other like with the units of other manufacturers).
- * Built with SMT technology for reliability.
- * Microprocessor controlled for accuracy.
- * Dependable and simple.
- * Pass tone is easy to hear.
- * Visual indicators to show pass, low or high fail and low battery.

The wrist strap and footwear tester system was created to fill a growing demand for a dependable, low cost and easy-to-use test mechanism for personnel grounding devices. It is available as **AWM-8 US** Tester, (U.S. standards) a 750-kohms to 10-Mohms range for wrist straps and 750kohms to 100Mohms range for footwear and **AWM-8E** Tester (European standards) a 750-kohms to 35-Mohms range for both wrist straps and footwear.

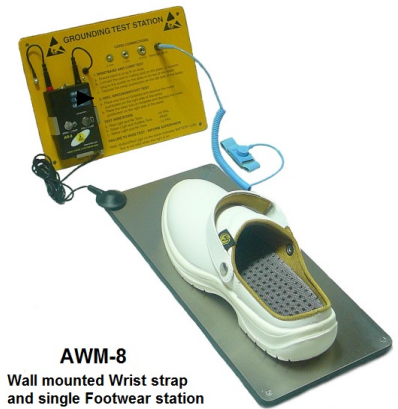
System includes:

- AR-8 Wrist and Footwear Tester
- AWM-WP - Wall mounted plate with test instructions.
- AWM8- FP - Foot plate.
- AWG-6FM-0 - Zero ohms grounding wire.
- Manual and Warranty Card.

Technical specifications:

	AWM-8A (U.S.A. Parameters)		AWM-8E (European Parameters) (Same for both wrist straps and foot wear)
	For Wrist Straps	For Foot wear	
Pass Level	750 kohms-10 Mohms; green light and audible tone	750 kohms-100 Mohms; green light and audible tone	750 kohms-35 Mohms; green light and audible tone
Low Fail	< 750 kohms; yellow light and no tone	< 750 kohms; yellow light and no tone	< 750 kohms; yellow light and no tone
High Fail	> 10 Mohms; red light and no tone	> 100 Mohms; red light and no tone	> 35 Mohms; red light and no tone

Modes of Operation A, B and C.



AR-8 Wrist and Footwear Tester (AWM-8 Controller)



Pre-Programming the Mode of Operation:

Mode A: Wrist strap only

- If resistance range is correct when pressing **WRIST STRAP** button, the green LED lights-up and stays lit for 10 seconds. After 10 seconds the system returns to normal waiting state.

Mode B: Wrist strap + Footwear

- If resistance range is correct when pressing **WRIST STRAP** button, the green LED lights-up and the sound is heard for one second. The system is now active for 5 seconds for the operator to test the footwear. During this 5 seconds the operator must press the **FOOTWEAR** button to complete the test.

If he does, and the footwear resistance is within the correct range, the green LED lights-up and stays lit for 10 seconds. After 10 seconds the system returns to normal waiting state.

Mode C: Footwear only

- If resistance range is correct when pressing **FOOTWEAR** button, the green LED lights-up and stays lit for 10 seconds. After 10 seconds the system returns to normal waiting state.

The Mode of Operation is shown each time when any of the test buttons is pressed by corresponding LED. The corresponding LED (**Red** for wrist strap only, **Green** for both wrist strap and heel strap and **Yellow** for heel strap only) will light-up for 1/2 second. Then the battery check light will blink momentary before the measurement of the wrist/heel straps starts.

If **Red**, "Hi-Fail" LED will light for 0.5sec at the beginning of the test it means that the AR-8 is in **Mode A**

If **Green**, "Pass" LED will light for 0.5sec at the beginning of the test it means that the AR-8 is in **Mode B**

If **Yellow**, "Lo-Fail" LED will light for 0.5sec at the beginning of the test it means that the AR-8 is in **Mode C**

Read carefully before you start!

How to pre-program Mode of Operation and the time of positive test confirmation prior to System Use:

Do not connect the AR-8 Tester to the Wall Plate. Press **WRIST STRAP** button for about 30 sec., until all 3 LED's light-up. Within 3 sec from the time they light-up release the **WRIST STRAP** button, see that the LED's turned-off and immediately press the **WRIST STRAP** button again. Hold it and observe the LED's lightning-up in sequence, one after another. Release the button when the LED indicating desired by you mode of operation is lit. This sets chosen by you mode of operation.

Now press again in the next 2 seconds the **WRIST STRAP** button to set the time interval for the green LED to be ON when your test is done successfully.

The green light confirmation of the test can be set from 3 to max 25 sec. In case that you do not want to set this time and mode of operation by yourself, the factory default setting is for MODE B and the confirmation time for 10 sec. You can change the mode of operation later if so desired.



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