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WT25-4145.26M

WRISTAT TESTER



The LEGGE Model [WT25-4145.26](#) WRISTAT Tester is designed to test the integrity of our WRISTAT in a fast, efficient and simple manner. All of the elements of the WRISTAT - continuity of the strap, integrity of the protective resistor, and satisfactory strap to skin contact - are easily confirmed by pressing the top cover of the [WT25-4145.26](#). The operator (wearer) is tested for a resistance to ground of greater than 250K ohms and less than 1,200,000 ohms. The upper limit notifies you of an unacceptably high resistance value (IE possible loss of effective dissipation) and the lower limit warns of unsafe low resistance (possible risk of electric shock from surrounding motors, live wires etc).

WARNING: Not an inherently explosion proof device.

OPERATING INSTRUCTIONS

Do not use in the same room with ammo or explosives

The [WT25-4145.26](#) should be located on or near a work station. Installation of the [WT25-4145.26](#) consists of connecting the post on the back of the unit to ground using the wire provided. The [WT25-4145.26](#) case must be isolated from ground, with only the rubber feet touching the work surface. Operators should test their WRISTAT several times a day.

To operate the [WT25-4145.26](#) simply press the top cover of the unit with the opposite hand that the WRISTAT is being worn on. A tone and a green light indicate that the WRISTAT System (wearer, strap, and ground connection) is effectively dissipating static charges. The tone will only sound in conjunction with the green (safe) light. An amber light indicates a high resistance value (greater than the upper limit value of 1,100,000 ohms corresponding to unsatisfactory conditions to dissipate static charges within desired time limits. A red light indicates a resistance value less than 250K ohms, corresponding to unsafe operating conditions for the user. The [WT25-4145.26](#) may be used to test the WRISTAT only. This test is performed by pressing the operator end (strap) to the top plate of the unit while the ground end of the strap is connected to the post on the back of the unit. The lights and the tone indicate the same information for the resistance of the WRISTAT as those for the WRISTAT System above.

SPECIFICATIONS

Parts included:	1 WT25-4145.26
	1-8 FT Ground wire with alligator clip)
	Resistance Tolerances:
Lower Limit	250K ohms +or- 10%
Upper Limits	1.2 MEG ohm +or- 15%
Battery:	9 Volts DC
Battery Life:	3 years typical for ten tests/day
Test Voltage:	7.6 Volts nominal

TROUBLE SHOOTING

Most problems with the [WT25-4145.26](#) can be traced to a weak/dead battery or improper ground connections. While depressing the lid, if the light levels are low, there is no tone when the green light is on, or there are no lights or tone, the 9V battery should be replaced. To replace the battery, remove the four screws on the sides of the unit and lift the top off. Replace the battery and reassemble the unit, making sure the top still pivots on the screws. If test results appear to be wrong, check that the unit and the WRISTAT are grounded properly. They should be attached to a common ground. The unit's ground wire and the WRISTAT's ground should be tested separately for continuity and specified resistance. If these items are correct and improper readings are still occurring, check the unit for calibration.

CALIBRATION VERIFICATION

The calibration of the [WT25-4145.26](#) should be checked every two years or if a problem occurs. The calibration is verified by testing known resistance values at each of the three possible limits. The resistors used should be within the tolerances listed. Perform the test by connecting one end of the resistor to the post on the back of the unit and the other end to the top of the unit. Simultaneously press the lid to activate the unit. The following resistance values should be used, giving the results indicated:

To Test:	Use Resistor of:	Results
Lower Limit (250K Ohms)	200K Ohms	Red Light, no tone
Upper Limit	Between 250K and 1,200,000 MEG	Green Light, tone
	Above 1,200,000 MEG	Amber Light, no tone

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