

# ACL 795 Calibration Box



The ACL 795 calibration unit is designed to quickly and easily verify whether the ACL 750 or ACL 780 Combo-Tester is operating within specifications. This product can be used as one of the tools to comply with ANSI/ESDA S20.20 paragraph 6.1.3.2 “Compliance Verification Plan.”

This unit saves time and money by allowing a company with multiple combo tester units to calibrate their systems themselves and not have to send testers to outside calibration houses. The company can send the calibration box to ACL annually for a calibration that is traceable to NIST.

## SPECIFICATIONS

<b>Power Supply</b>	Passive device, no power source required
<b>Calibration</b>	NIST traceable
<b>Accuracy</b>	± 10%
<b>Weight</b>	10 oz
<b>Size</b>	5 1/2" x 3 1/4" x 1 1/2"

## RESISTANCE RANGES

<b>Wrist Straps</b>	Test range: .75M, 10M, 35M
<b>Footwear</b>	Test range: .75M, 35M, 100M
<b>Special for 1000M units</b>	Test range: 20M , 35M, 1000M

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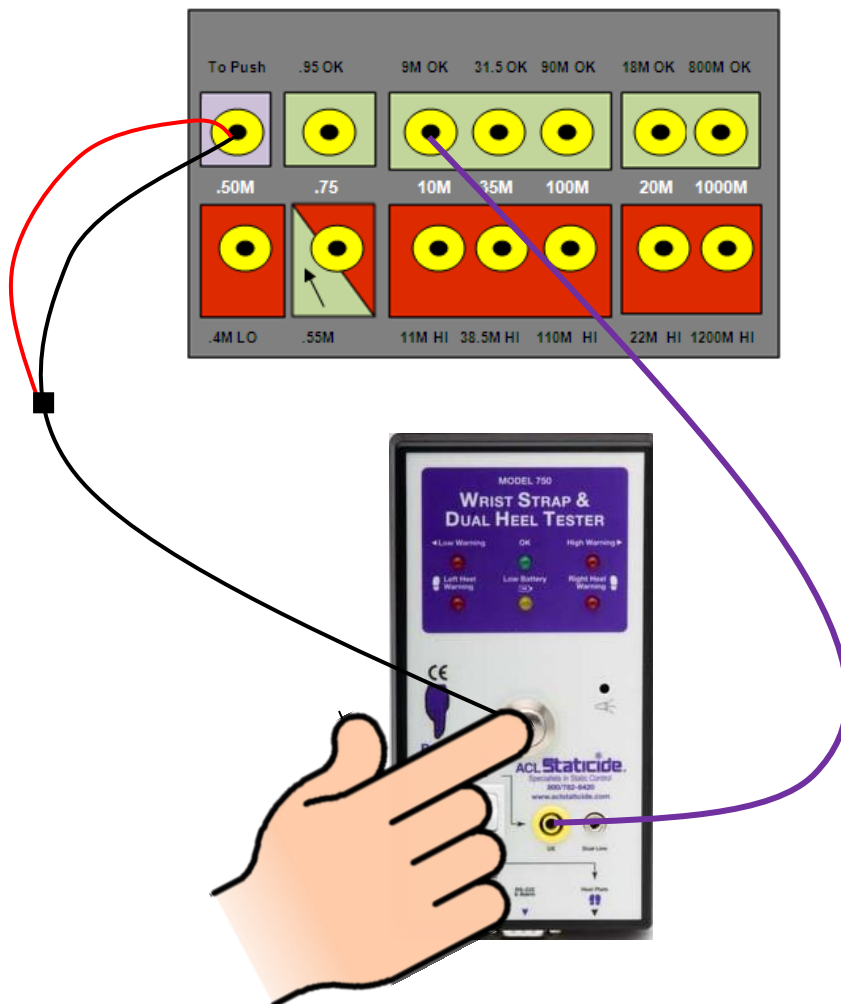
ACL Incorporated registered to  
ISO 9001:2015  
Certificate NO. 10002746

# DIRECTIONS FOR THE ACL 795

The unit comes with two cables: one single line banana-to-banana wire, and one split wire with a monaural termination on one end and stackable banana plugs at the Y end. When using the spit-cable, stack the banana plugs into each other, so it can plug into the same resistor.

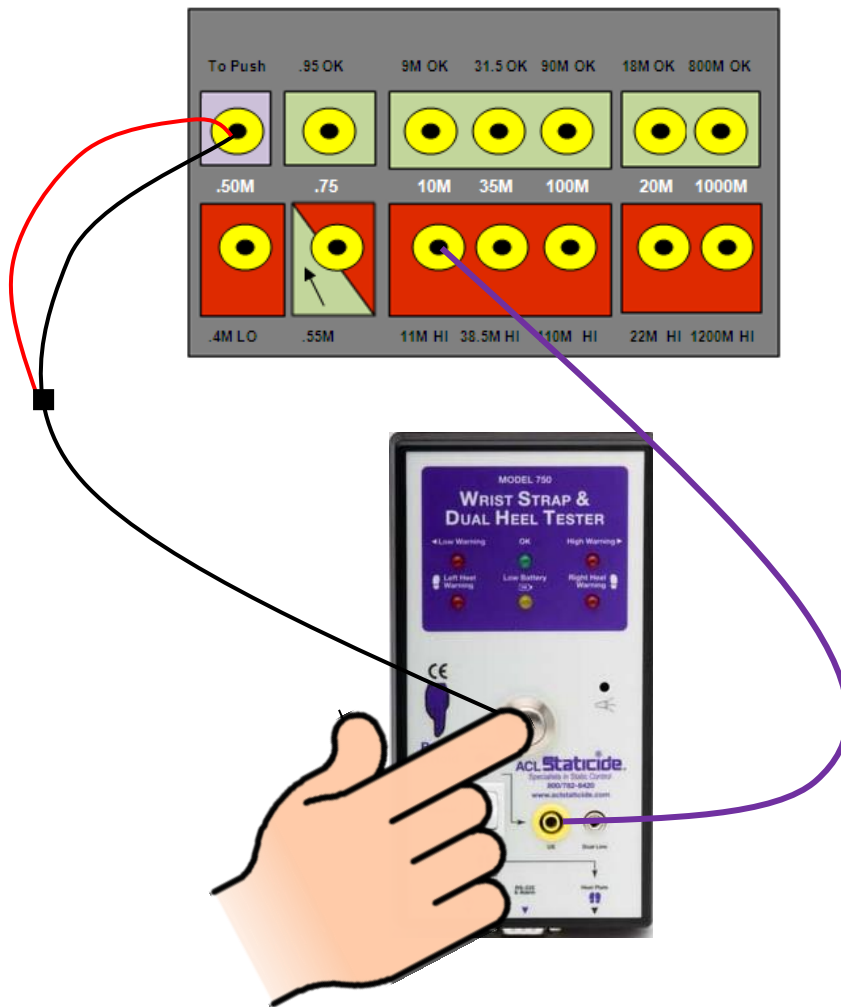
## TO TEST WRIST STRAP FOR A PASS

1. Position the selector switch on the combo tester to “WRIST STRAP”.
2. With the single wire cable, connect one end of the cable into the wrist jack on tester and the other end into the resistor rated below the desired limit. Example, if 10v is the tester’s set max limit, the red cable plugs into the resistor marked “9M OK”.
3. With the Y-cable, connect the stacked end of the Y-cable to the common point banana jack labeled "To Push" on the ACL 795 calibration box. Use the single-wire end of the Y-cable to make contact with the button on the meter. The cable needs to make contact with the button as it is being depressed.
4. Press the power button on the meter (making sure that the wire is making contact with the button) and observe the LED lights on tester. Green is pass. Red is Fail.



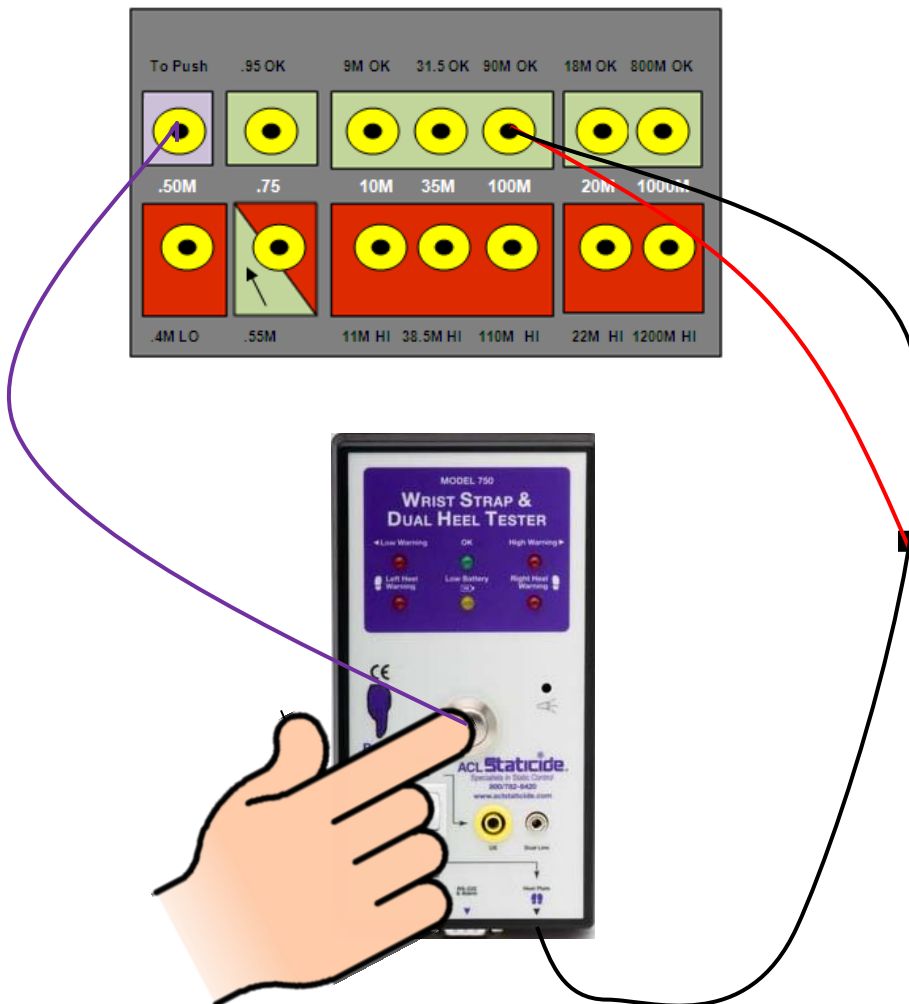
## TO TEST WRIST STRAP FOR A FAIL

1. Position the selector switch on the combo tester to “WRIST STRAP”.
2. With the single wire cable, connect one end of the cable into the wrist jack on tester and the other end into the resistor rated below the desired limit. Example, if 10v is the tester’s set max limit, the red cable plugs into the resistor marked “11M HI”.
3. With the Y-cable, connect the stacked end of the Y-cable to the common point banana jack labeled "To Push" on the ACL 795 calibration box. Use the single-wire end of the Y-cable to make contact with the button on the meter. The cable needs to make contact with the button as it is being depressed.
4. Press the power button on the meter (making sure that the wire is making contact with the button) and observe the LED lights on tester. Green is pass. Red is Fail.



## TO TEST FEET FOR A PASS

1. Position the selector switch on the combo tester to "DUAL HEEL FOOT PLATE".
2. With the Y-cable, connect the monaural plug into the foot plate jack on tester. Plug the stacked end of the cable into the resistor rated below the desired limit. Example, if 100v is the tester's set max limit, the red cable plugs into the resistor marked "90M OK".
3. With the single cable, connect one end to the common point banana jack labeled "To Push" on the ACL 795 calibration box. Use the other end to make contact with the button on the meter. The cable needs to make contact with the button as it is being depressed.
4. Press the power button on the meter (making sure that the wire is making contact with the button) and observe the LED lights on tester. Green is pass. Red is Fail.



## TO TEST FEET FOR A FAIL

1. Position the selector switch on the combo tester to “DUAL HEEL FOOT PLATE”.
2. With the Y-cable, connect the monaural plug into the foot plate jack on tester. Plug the stacked end of the cable into the resistor rated below the desired limit. Example, if 100v is the tester’s set max limit, the red cable plugs into the resistor marked “110M HI”.
3. With the single cable, connect one end to the common point banana jack labeled "To Push" on the ACL 795 calibration box. Use the other end to make contact with the button on the meter. The cable needs to make contact with the button as it is being depressed.
4. Press the power button on the meter (making sure that the wire is making contact with the button) and observe the LED lights on tester. Green is pass. Red is Fail.

