

HAKKO 498 VERIFICATION

BACKGROUND.

In response to several requests from customers facing ISO certification:
The Hakko 498 tester can neither be calibrated nor adjusted. It can only be verified that it is testing within the limits established for the unit.

TEST EQUIPMENT.

Decade resistance box
Alligator-to-alligator test lead

PROCEDURE.

1. Plug in the lead provided with the 498.
2. Set the decade resistance box per Table I and connect it between the clip on the 498 lead and one end of the test lead (see Figure 1).
3. Press the touch-plate down with the free end of the test lead. Be sure to hold the insulated portion of the lead so that body resistance does not enter into the loop.
4. Check the reading against Table I, below, to verify upper and lower limits.

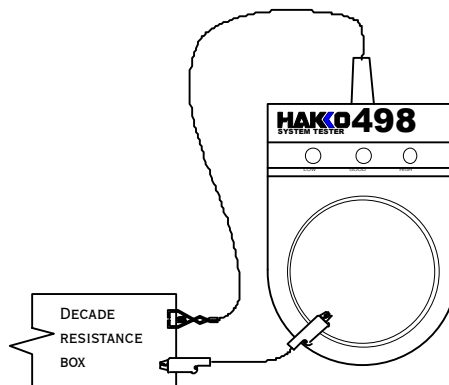


FIGURE 1. TEST SETUP.

TABLE I. READINGS.

RESISTANCE NO SERIAL TO 4980400000	RESISTANCE SERIAL 4980400000 & UP	498 RESPONSE
$R < 500 \text{ K}\Omega \pm 5\%$	$R < 800 \text{ K}\Omega$	LOW ILLUMINATED BUZZER OFF
$500 \text{ K}\Omega \pm 5\% \leq R \leq 10\text{M}\Omega \pm 5\%$	$800 \text{ K}\Omega \leq R \leq 9\text{M}\Omega$	GOOD ILLUMINATED BUZZER ON
$R > 10\text{M}\Omega \pm 5\%$	$R > 9\text{M}\Omega$	HIGH ILLUMINATED BUZZER OFF

NOTE:

AFTER THOUSANDS OF OPERATIONS, THE GREEN 'GOOD' LAMP WILL LIGHT BUT NO BUZZER WILL SOUND. THIS INDICATES THAT THE BATTERY SHOULD BE CHANGED.