

SafeTac VRD® VRDT6 /VRDT5-USB VRD TESTER KIT

Note the VRDT6 & the VRDT5-USB function exactly the same the only difference being the VRDT5-USB is packaged in a Clipsal box rather than the Black Machined box making it approximately 10% cheaper

TESTS PEAK OCV /OCV VRD OPERATE TIME / VRD OPERATE RESISTANCE

Tests to .3 or 2 seconds depending on site Requirement

Note : To simplify input leads models produced after 15/09/2025 have different lead sets

Results are displayed on high brightness display for easy recording.

Simple to operate supplied in case with SafeTac VRD Peak Level tester to ensure all standards requirements are tested.

Visual high brightness indicators to provide a secondary PASS / FAIL indication.

Operation.

Current N.A.T.A. Calibration certificate included.

Test Welding Machine Peak OCV with Peak OCV tester before below test to ensure compliance

To Australian Standards Peak output OCV 35 VDC or less

Ensure Welding Plant is turned off before any connections or disconnection is made.

1. Connect Work clamp & Electrode holder to VRDT6 tester Polarity is not important.
2. Connect Input leads to Welding Machine Polarity is not important
3. Turn VRD tester power switch ON TO .3 OR 2 SECONDS DEPENDING ON SITE REQUIREMENT
4. Start or turn on welding machine & set to MMA or stick position set current to approximately 90 Amps.
5. Ensure 200 Ohm switch is in off position VRDT6 should turn on automatically if not press power button to turn on.
6. Ensure screen is in OCV weld to test mode ,Weld then when siren beeps then stop welding OCV will be indicated on screen & green LED should be on if red led is on then VRD OCV test has failed.
7. Wait for result If test was OK press program button to change to Time test mode plus turn 200 OHM switch to the on position LED should be green if it changes to red when the switch is turned on then the VRD is operating at above 200 Ohms & needs attention.
8. If LED is green then weld until beeper sounds then stop . VRD turn on time should be displayed on the screen ,Green led should be on if red is on & flashing then VRD has locked on & needs attention.
9. If a USB STICK IS INSERTED PRESS SAVE TO USB & TESTER WILL BEEP TWICE TO INDICATE TEST HAS BEEN SAVED TO THE USB STICK
10. When tests are complete turn time switch to centre off position to extend battery life.

12. Turn off welder & disconnect leads as soon as test's are complete VRD tester should turn off after approximately 3 minutes.

USB Stick

USB memory device should be formatted to fat 32 & given a name eg: tester

Batteries Jaycar SB2300 or Altronics S4979

Note time the test occurred should be recorded this is how the test is tied to a particular machine .

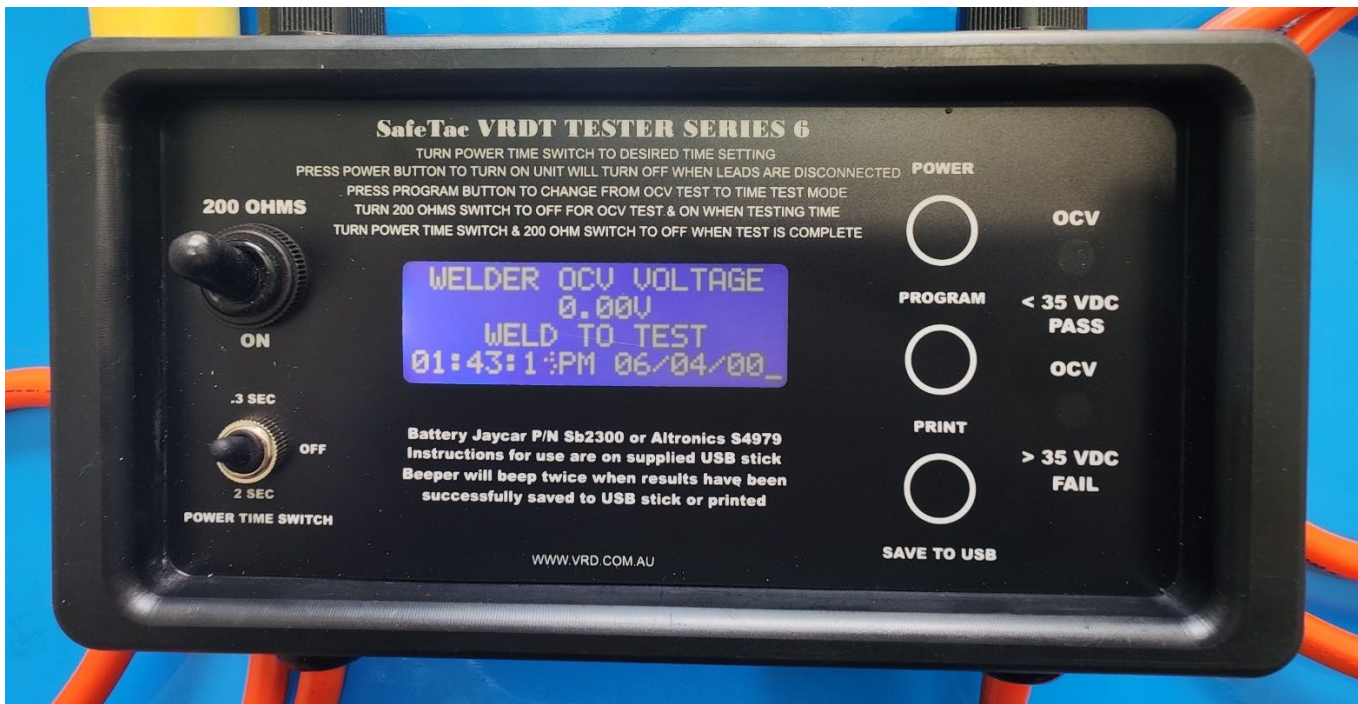
USB stick can be plugged into a pc ,some phones & can be entered into excel or word for future reference .

Time Setting

VRDT6 with time feature to Set time as below

Press & hold program button & print button then release print button then release program button.

Press Program button to increase setting when correct press print button to advance to next setting ,when finished press & hold print button for 1 second & release then press program button to return to normal operation



Caution : Keep test's short as possible .When complete turn Ohm switch to Off & disconnect from Welder

Accessories



Note a printer can be added at a later date but may need programming