20-watt Dummy Load
and Watt Meter for 80m – 10m

This dummy load will simulate an antenna with a 50-ohm impedance. If your radio is expecting an antenna with a 50-ohm impedance, then this dummy load will present a perfect match to your radio. This will allow you to test your radio and/or software without fear of damaging the radio. It also serves as a basic power meter.

We sell three versions of this dummy load.

1. Case Only: This custom case is designed to use QRP-Labs' excellent 20-watt dummy load circuit boards. If you already have their dummy load, you can easily mount it into this case in about ten seconds.

2. Case and Dummy Load Kit: This includes our custom case and the QRP-Labs' dummy load kit. The dummy load kit is provided to you at our cost so that you don't have to place a second order (to Turkey) to obtain the kit.

3. Assembled Case and Dummy Load: This includes a pre-built dummy load already mounted in our case. Building the kit takes about an hour and we charge $20 for assembly.

You can also use this dummy load to get a good approximation of power output (please see the attached page from the dummy load assembly manual for information on why this is only an approximation). To measure power output, insert a volt-meter's probes about ¼" into the negative (-) and positive (+) probe holes on the top of the case and measure the voltage while transmitting. Use the attached graphs to measure the approximate output power of your transmitter.

As measured with a RigExpert Stick Pro, this dummy load presents the following SWR on the ham bands:

80m – 1.00:1	60m – 1.00:1	40m – 1.01:1	30m – 1.02:1	20m – 1.03:1
17m – 1.4:1	15m – 1.06:1	12m – 1.10:1	10m – 1.11:1	

To purchase the case, case + kit, or a fully assembled dummy load w/case, please go to:

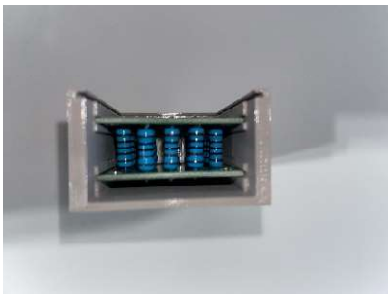
https://offgridwx.com/shop/

To purchase the dummy load kit itself, directly from QRP-Labs (without the case) go to:

http://shop.qrp-labs.com/kits/dummy

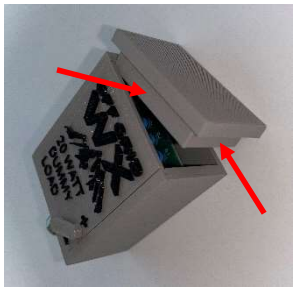
ASSEMBLY INSTRUCTIONS

1. Slide the dummy load circuit boards into the case. Note that there are two slotted rails on either side of the case through which the circuit boards will slide. Be sure to insert the circuit boards with the correct side up: the BNC hole in the case has a flat section on the bottom of the case that matches up with the flat section of the BNC adapter on the circuit boards.



2. Slide the cover into the top of the case. There are slots on either side of the case into which the cover will slide. Please note that the cover must be in the proper orientation in order for the volt-meter probe ports to line up with the proper connections on the circuit board.

3. Attach the back cover. If you want to make the assembly permanent, then put one small dab of glue or epoxy in the middle of each of the four sides of the back cover that insert into the case. Otherwise, the friction fit seems sufficient to prevent the cover from coming off.



4. Attach the washer and carefully snug down the nut. Be careful as you can damage the threads on the BNC adapter.

   Finally, if you would like to eliminate the chance of something falling into the case through the volt-meter probe ports, then attach the enclosed probe port cover (two are included in the kit in case one gets lost).