

Modular Tester user guide: ring (flyback) tester

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The ring tester tests TV flybacks and SMPS transformers for shorts.

It is based on Bob Parker's design but the software is written from scratch for the ESP32.

A short pulse is applied to the coil via a capacitor, this capacitor forms an LC circuit with the coil and will oscillate for a while, the number of sine waves is counted and is an indication of how dampened the circuit is for example by shorted windings.

After power on the module shows the splash screen and goes to sleep.

Press the rotary encoder and hold until the splash screen appears.

Connect the transformer winding to test to the terminals.

Press the button to start testing, the number of rings will display. A low number indicates a possible shorted winding.

Press encoder long for the menu, turn to select, press to select or toggle setting:

Return: return to main screen.

Go to sleep: put the module to sleep.

