

OP1 Optional Optocoupler Analyzer

The OP1 module allows the detection and the Current Transfer Ratio measurement of most standard optocouplers. The module without any component must be connected to the M3 before power-up. When the M3 is powered on, the module is recognized by the tester and the screen shows the following message:

OP1 Optocoupler
Tester Detected

If no component, or a faulty component, is detected the M3 should display the following screen:

No optocoupler

When a valid optocoupler is plugged in to its corresponding socket, the M3 would show the following screen:

CTR=544 %
V=1.09V I=1.69mA

The first line shows the Current Transfer Ratio. This value, expressed in %, is the ratio between the output transistor collector current and the input LED current. Measurement range is 1% to about 600%. Maximum output current is 10mA.

The second line shows the LED current and the forward voltage.

