

Question 23 (3 marks)

Describe the process you should use to measure a resistor with a nominal value of $1\text{K}\Omega$, using an analogue ohmmeter.

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To measure a resistor of $1\text{K}\Omega$ firstly a suitable scale should be selected. The needle should be calibrated to read zero when viewed from 90° (parallax error) above meter. The probes should be placed at either end of the resistor so that it is in parallel with the resistance. Meter should be read ensuring needle is above its own reflection in mirror to avoid parallax error.