

GRD7 – Special Measuring Diode



Cylindrical diode with tungsten filament and guard cylinders at each end, made by Ferranti for educational and demo purposes. Also suitable for use as high stability saturated diode. Anode diameter 14.5 mm, anode length 14.5 mm, filament diameter 0.125 mm, filament effective length 14.5 mm. A small hole in the plate allows to see the filament and to measure its temperature by optical methods.

Designed as a laboratory device with which perform demonstrations of the Richardson's law, of the Child-Langmuir three-halves law and of the Hull magnetron effect.

Filament is to be operated at currents ranging from 1.8 to 2.7A, voltage being typically around 6V.

Data for Ferranti [GRD7](#).