

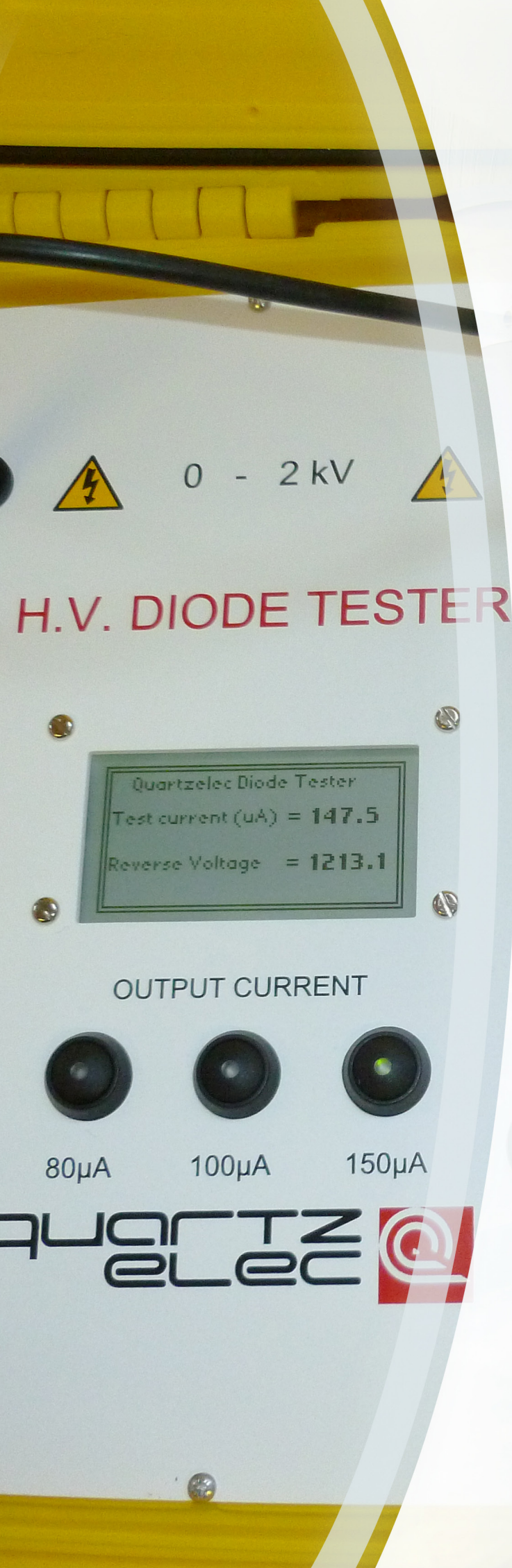
HV Diode Tester

Reliable diode assessment testing

Throughout the life cycle of a rotating machine, regular maintenance of all parts is essential to avoid costly unplanned breakdowns. Diodes are essential components of electrical machines and should be tested routinely to identify early signs of fatigue or deterioration.

Testing of diodes confirms that they are suitable for continued operation or need to be replaced. The Quartzelec HV diode tester has been designed by testing experts and is used to determine the condition of HV Diodes and HV Thyristors as used on power generation rotating diode assemblies.

Its design has evolved from many decades of experience in testing rotating diode assemblies resulting in a unit that will not damage power generation rotating diode assemblies due to the limited output current applied when measuring the reverse break down voltage of diodes / thyristors.



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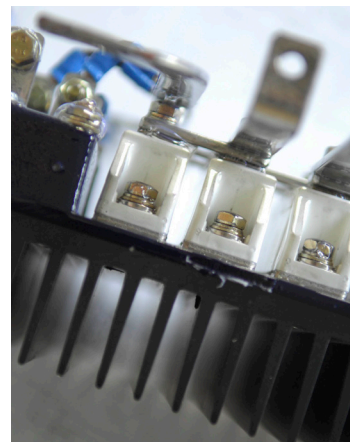
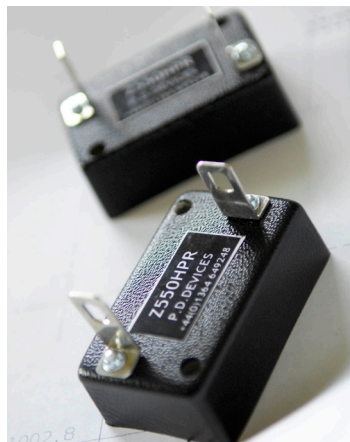
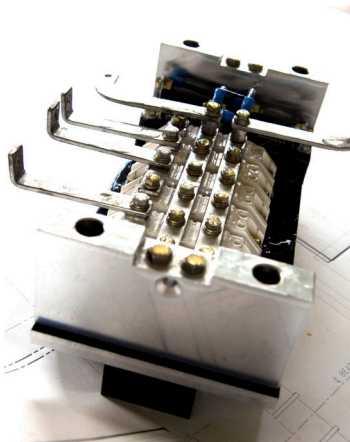
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Technical Specifications

Operating Temperature	0°C to +40°C
Operating Humidity	90% RH @ 40°C max
Storage Temperature	-25°C to +65°C
Protection	Case material: Moulded from tough polypropylene co-polymer Case certification: IP67, NEMA 4, MIL-STD 810F 512.4
Conformity	EMC and LVD Tested // CE Marked
Output Current	Preset to 80µA, 100µA or 150µA
Output Voltage	2,000V DC (maximum open circuit)
Output Leads	5kV rated HV leads, 1kV rated Crocodile Clips
Input Voltage	UK 13A plug (3A fuse) with 3m cable
Input Lead	UK 13A plug (3A fuse) with 3m cable
Weight	3.5Kg
Dimensions	384 x 308 x 173 mm



Supported by a team of electrical and mechanical engineers, you can rely on Quartzelec for all your electrical testing requirements. Contact us to discuss your next project or to find out more about our range of services.

