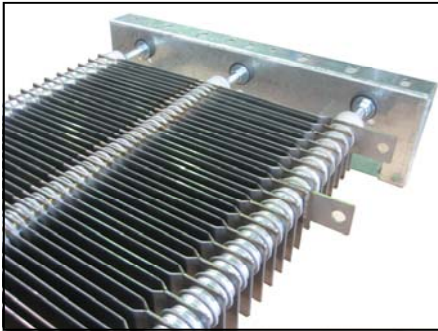


Resistors Technologies



Resistor elements are not just a part of our business - resistors are our only business. We are committed to supplying resistors that meet the requirements and specifications requested by our customers. With expert engineering, conscientious personnel and a broad product range, we aim to be your supplier of choice for resistor products. Helping you to complete your projects and meet your deadlines by being quick, responsive and informed is what we do!

Wirewound Resistors

These units feature an open helical wire element wound around a grooved porcelain core. This type of open element will take considerably more overload than enameled type resistors and also cool much quicker as each turn of the wire is exposed to the cool ambient air.



Oval Edgewound Resistors

These units feature a stainless steel strip type element, wound on its edge to form an oval coil which is then fitted on ridged ceramic insulators and supported on a central steel support strap.



Round Edgewound Resistors

These units feature a stainless steel strip type element, wound on its edge and supported on grooved porcelain supports. These units are through-bolt mounted on a M8 rod.



Stamped Grid Resistors

These elements are a grid resistor consisting of stainless steel plates connected in series. Slots are stamped into each plate to give a longer current path.

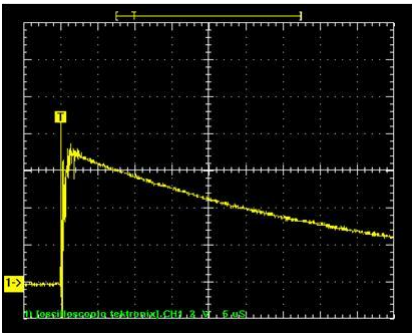


Spiralwound Resistors

These units feature an open wire element (made from Nichrome or stainless steel resistive alloy) wound around an insulated core. Stainless steel terminals and hardware are standard.



Test Facilities



We have calibrated test equipment for all routine testing, including resistance meters and insulation testers, temperature gauges and a 50kV dielectric tester. The Group testing facilities we have available include a 1.85MW DC power source, a 400kV impulse test generator, shock and vibration test facilities, and FEA analysis software. This is used both for in-house development and for routine and type-testing customers equipment.

Controlled Power Supply

A 1.5kV chopper-controlled DC power source, continuously rated at 1.5MW, enables us to test resistors at full load power and under simulated cyclic conditions.

Impulse Test to 400kV

We have a 400kV impulse generator that can be used for dielectric and through impulse tests of high voltage resistors.

Applied High Potential Test to 50kV

We have a high potential tester used for routine testing of high voltage resistors which can test up to 50kV for one minute.

Vibration Testing Facilities

The equipment consists of two vibration tables (one with a vertical axis and a second one with a horizontal axis) equipped with hydraulic cylinders allowing the execution of vibration, shock and seismic tests on devices up to 2000 kg. Potential tests include dynamic strength tests, long life tests, noise levels and road simulations. In addition to the tests we carry out, we also have the capability to carry out static and dynamic finite element analysis of our equipment.

Computerised Data Logging

The test laboratory is equipped with computer-controlled 32 channel data logging equipment and optically-isolated transducers for high voltage measurement and recording. Test variables such as temperature, power and current are also recorded.

