

Test Equipment Rentals

Megavar offers a complete hire service for all your electrical test equipment requirements. Our equipment inventory is displayed on the Megavar website. The range is growing by the month, so if there is something you require that is not listed, please contact us to discuss your hire needs.

Our extensive range includes equipment for:

Battery Testing
Cable Testing
Current Breaker Testing
Circuit Testing
Earth Testing
Hipot Testing
Infra Red Testing
Line Testing
Motor/Generator Testing
Off-line Partial Discharge
On-line Partial Discharge
Oscilloscopes
PAT Testing
Phase Angle Measurement
Phase Rotation Testing
Power Quality Monitoring
Relay Testing
Thermal Testing
Transmission Testing
Voltage Testing.



Series Resonant Hi-pot

New to Megavar, this is VFR "variable frequency resonant" which means it varies the frequency to achieve resonance between the hi-pot and the test object, thus negating the effect of the test object's capacitance. This allows a relatively low input power to achieve a large output power. We have two high voltage reactor units and this gives us two voltage ranges; 250kV and 500kV. The reactors can be used standalone, in series or in parallel. The unit is 4300kg and can be air freighted as it breaks down into

components. The Hi-pot can be used to test transformers, cap banks, GIS, short runs of cable and switchgear. The output capacity is:

- 3A at 250kV (single reactor)
- 6A at 250kV (two reactors in parallel)
- 3A at 500kV (two reactors in series).





Popular test types and equipment

Test Type	Test Name	Test equipment
Earthing	EPR contour-earth potential rise contour or fall of potential	CPC and CU1
	EGVR-earth grid voltage rise	CPC and CU1
	Step and touch	CPC and CU1
	Resistivity	CPC
	Continuity	Ohm meter
Transformer	Ratio	CPC
	Winding resistance	CPC
	FRA-frequency response analysis	Franalyser (FRA)
	Dirana	Dirana
	PDC-Polarisation depolarisation constant	Dirana
	DLA-dielectric loss angle or DDF-dielectric dissipation factor or PF-power factor	CPC and TD1
	IR-insulation resistance	Megger
	PI-polarisation index	Megger
Current Transformer	Ratio	CPC or CT analyser
	Winding resistance	CPC or CT analyser
	Polarity	CPC or CT analyser
	Mag curve or kneepoint	CPC or CT analyser
	DLA-dielectric loss angle or DDF-dielectric dissipation factor or PF-power factor	CPC and TD1
	IR-insulation resistance	Megger
	PI-polarisation index	Megger
	Voltage Transformer	Ratio
Winding resistance		CPC
DLA-dielectric loss angle or DDF-dielectric dissipation factor or PF-power factor		CPC and TD1
IR- insulation resistance		Megger
PI-polarisation index		Megger
HV Cable	VLF – very low frequency hipot	VLF (HVA60 or HVinc)
	DLA-dielectric loss angle or DDF-dielectric dissipation factor or PF-power factor	HVA60 and TD60
	IR-insulation resistance	Megger
	PI-polarisation index	Megger
	Phasing	megger or multimeter
Busbar	AC (50Hz) Hipot	ALT120/60
	IR-insulation resistance	Megger
	Ductor-microohmometer	DLRO10 or AEMC
Circuit Breaker	Contact timing	Programma or CBA2000
	DLA-dielectric loss angle or DDF-dielectric dissipation factor or PF-power factor	CPC and TD1
	IR-insulation resistance	Megger
	PI-polarisation index	Megger
Batteries	Contact resistance	CPC or AEMC or DLRO10
	Discharge testing	Torkel