

High voltage proof testing system

2510PT

Proof testing

Proof test equipment

Test engineers and technicians need to proof-test cables and switchgear after installation or rework to existing systems.

The Adret range of proof testers was designed with simplicity of use and maximum operator safety in mind. The range offers many different models from DC to AC and VLF (very low frequency) as well as combination AC and DC models.

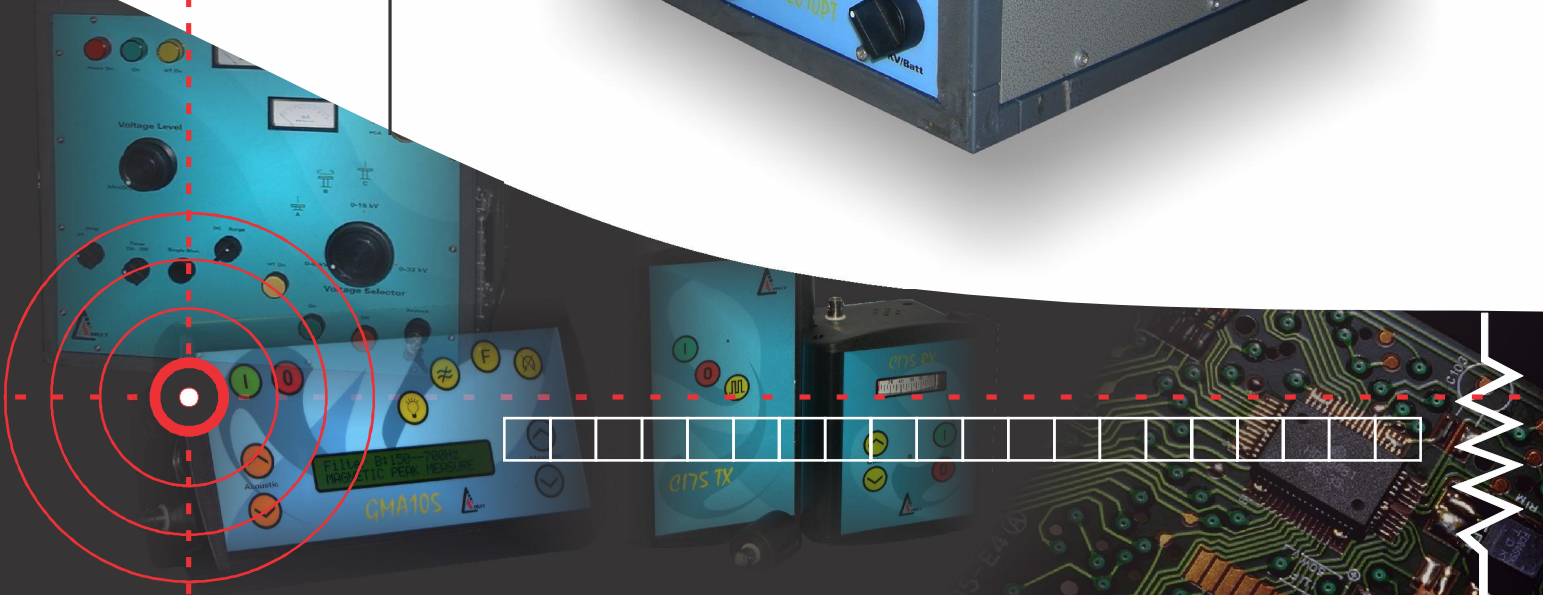
Principles of Operation

All the units use the input voltage through a step up transformer to obtain the high AC voltages. In case of DC output the AC is rectified through a suitable rectifier capable of

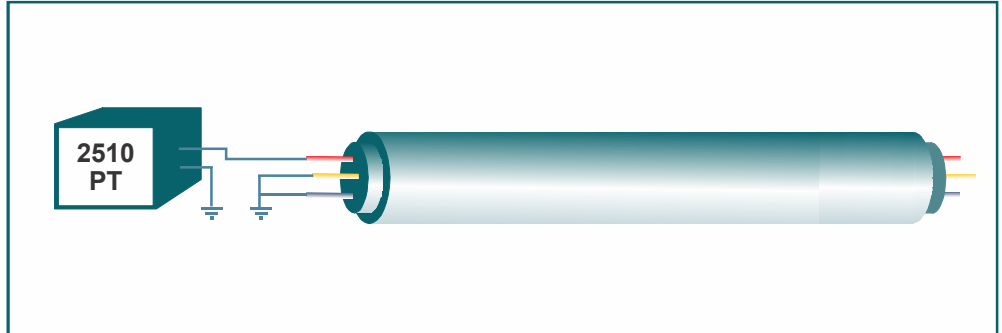
withstanding the high voltages. Some units use a combination of AC and DC that is switched to deliver AC or DC or both. In the case of VLF equipment a pseudo sine wave is produced through a number of switches and resistors.

The outputs are current limited and the unit automatically trips when a set limit is reached. When this occurs the cable is discharged and made safe through a built in discharge resistor. In case the circuit layout does not allow (in case of split units) the automatic discharge of the cable, a suitable manual discharge resistor is supplied

The units are portable and simple to operate. Tests are possible to most well used ISO specifications.



Application



Specifications

Proof tester

Supply Voltage	220-240VAC 12V external battery supply 12V internal battery supply
Supply Current	5A
Output Voltage	0-25kV DC
Output Current	10mA Continuous
Weight	30kg
Dimensions	B 240mm x L 400mm x H 450mm Excluding lid
Enclosure	Aluminium, Electro statically powder coated
Voltage level adjustment Meters	Continuously variable Voltage and Current
Trip level	50mA

Accessories

Lid	Aluminium with canvas bag for test cables
Test cables	5m HT lead with high Current clamps
Earth Lead	5m yellow/green
Mains Lead	2m 3 core



Products available from ADRET test instruments:

Surge Generators SG 200032, SG 130032, SG 50016, SG 7505
Cable Identification System CI75, CI200
Burndown Unit BU 3500
Ground Microphone Amplifier GMA105
Cable Reel System CRS30
DC Pressure Testers 2010PT
AC Pressure Testers 3010PT
Combination Pressure Testers (AC+DC) 5010PT, 7010PT, 10010PT, 3042PT
VLF Pressure Testers VLF20
Fault Pre-Locators PCA101+AE101
Test Vans & Trailers
Sheath Fault Locators SFL16



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