

# High voltage proof testing system

10010PT

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

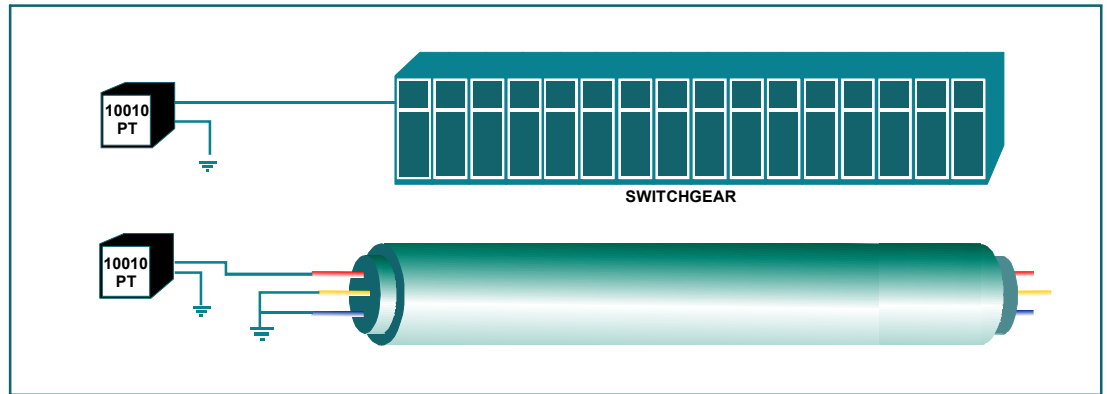
withstanding the high voltages. Some units use a combination of AC and DC that is switched to deliver AC or DC or both. In the case of VLF equipment a pseudo sine wave is produced through a number of switches and resistors.

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
Supply Current	10A
Output Voltage	0-70kVAC 0-100kVDC
Output Current	50mA Continuous
Weight	30kg and 30kg
Dimensions	350x200x300mm Control Unit 380x300x500mm HT Unit
Enclosure	Excluding lid Aluminium, Electro statically powder coated
Voltage level adjustment	Continuously variable
Meters	Voltage and Current
Trip level	100mA

### 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
Discharge Stick	Included
5m interconnection cable	
Rectifier diode	
Current limiting resistor	
Corona ring	



### 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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