

# High voltage proof testing system

3042PT

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

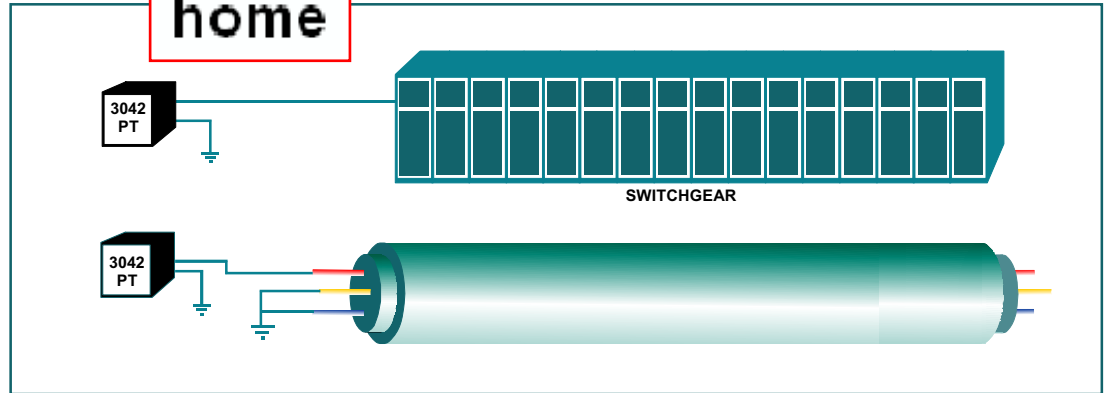
The units are portable and simple to operate. Tests are possible to most well used ISO specifications.



Supplied by :  
Tel: 0027 (0)11 683 4365

**Test and Measurement Instruments C.C.**  
[www.instrumentsgroup.co.za](http://www.instrumentsgroup.co.za)

## Application



## Specifications

### Proof tester

Supply Voltage	220-240VAC
Supply Current	8A
Output Voltage	0-30kVAC 0-42kVDC
Output Current	10mA Continuous
Weight	40kg
Dimensions	420x280x400mm Excluding lid
Enclosure	Aluminium, Electro statically powder coated
Voltage level adjustment	Continuously variable
Meters	Voltage and Current
Trip level	0-50mA Factory Pre-set

### 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



Rev2

Supplied by :

**Test and Measurement Instruments C.C.**

[www.instrumentsgroup.co.za](http://www.instrumentsgroup.co.za)

Email: [t.m.i@iafrica.com](mailto:t.m.i@iafrica.com)

Tel: +27 (0)11 683 4365