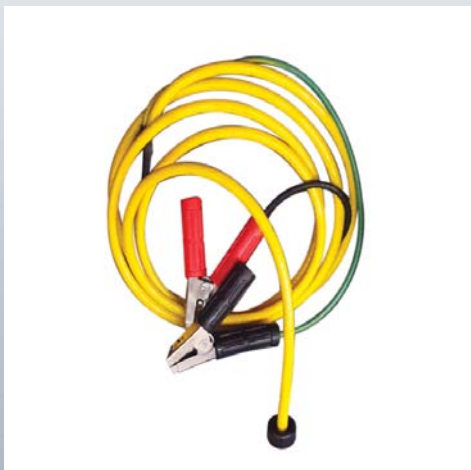




SG100032

Surge Generator

- Ease Of Use
- Portable
- Robust Design
- Mains Condition Lockout System
- Loose Test Lead
- 8, 16, 32kV 1000J Output
- IP67 Enclosure





PRINCIPLES OF OPERATION

SURGE GENERATORS ARE USED TO PINPOINT LOCATE FAULTS IN CABLES. HIGH LEVELS OF ELECTRICAL ENERGY IS STORED IN A SET OF CAPACITORS AND PERIODICALLY DISCHARGED INTO THE FAULTY CABLE. WHEN THE FAULT BREAKS DOWN AN AUDIBLE SHOCK WAVE IS CREATED AT THE FAULT POSITION. THIS POSITION CAN THEN BE PINPOINTED USING A SUITABLE GROUND MICROPHONE SYSTEM

SPECIFICATIONS

Output Voltage

8, 16, 32kV 1000 Joule (Ws)

Pulse Rate

Every 4 Seconds (15PPM)

Mains Condition Lockout System

Checks Mains input High
Checks Mains Input Low
Checks Mains Polarity Correct
Checks Earthing Integrity

If any conditions is out of specification the main contactor will not energize and the unit can not be powered up

Dimensions

500X500X500mm, 90kg

Enclosure

Pelican Cube Case, IP67 Rated

Test Environment

Temperature Indoor and outdoor: 10°C to + 45°C.
Humidity: ≤ 85%

Supply Voltage

230V 50Hz, 16A

Accessories

High voltage test lead
Mains lead
Impulse Current Port Built In. For use with suitable Pre-Location Scope

