



H.V. TEST

Specialists in High Voltage
Testing & Diagnostics

HVSG2100-32 32kV Portable fault locating system

Projects

The HVSG2100-32 is a 32kV compact test unit and cable fault location low and medium voltage. The reflectometer has the most modern pre-locating methods TDR (Time Domain Reflection) ICE (Impulse Current) ARC (Arc Reflection Method) and DECAY (Voltage Decay) methods which you can use on any of the 3 ranges (8- 16-32 kV) of the impulse generator shockwave.

Repairs

A peak power of 2024J provides the power required to accurately pin-point cable faults through the acoustic method using the powerful pin-pointer.

The powerful high voltage source allows testing at any voltage level between 0 to 32kV.

Services

Training

Products



Features:

- Compact and sturdy unit
- Modular configurable
- High energy peak for accurate and effective pinpointing
- Safe and fast location of faults
- It includes several methods of pre-fault location (TDR - ICE-ARC)
- Suitable for medium-small utility

H.V. TEST

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Address: 17 Gaiety Avenue, Robindale, Randburg



HVSG2100-32

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TECHNICAL SPECIFICATIONS

HVIR4000

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| <ul style="list-style-type: none"> • Distance range • Pulse width • Pulse amplitude • Resolution • Operating frequency • Methods • Output impedance • Measurement • VP/2 • Zoom • Memory • Connections • Display | <p>1000 m to 250 Km @ 80 m/μsec</p> <p>150ns to 8μs</p> <p>20Vp to 100Vp</p> <p>1 m @ 80m/ μsec</p> <p>80 Mhz</p> <p>TDR, ICE, ARC and DECAY</p> <p>50 ohm</p> <p>Movable cursor display</p> <p>Adjustable between 50 m/μsec - 150m/μsec</p> <p>Yes</p> <p>> 1000 reflectograms</p> <p>USB2.0 - BNC</p> <p>8.4" TFT high contrast colour, 800 x 600 pixels, LED backlight</p> |
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Tone Generator (Optional)

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| <ul style="list-style-type: none"> • Selectable frequencies • Output power • Frequency range • Output impedance Ω • Signal • Measurement | <p>10 kHz – 1.48 kHz - 480 Hz</p> <p>adjustable from 0 to 100 VA</p> <p>0.48 – 1.48 – 10 kHz</p> <p>1–2-5</p> <p>10-30 - 100</p> <p>300 – 1000</p> <p>Pulsed rectangular wave Continuous linear</p> <p>LCD graphic display</p> |
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HVSG2100 32kV

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| <ul style="list-style-type: none"> • High voltage test • Short Circuit current • Peak power per scope • Discharge frequency • Switch functions Key • Grounding • Filter • AT Output cable • Ground Cable • Mains Cable • Earth Return Cable • Dimensions mm (h x w x d) • Weight (approximate) • Power supply • Operating temperature • Standards • Standards | <p>0 – 8kVcc / 0 – 16kVcc / 0 – 32k V DC</p> <p>@ 8kVcc – 240 mA</p> <p>@ 16kVcc – 120 mA</p> <p>@ 32kVcc – 60 mA</p> <p>@ 8kVcc – 2024J</p> <p>@ 16kVcc – 2024J</p> <p>@ 32kVcc – 2024J</p> <p>4 – 6 sec.</p> <p>Yes</p> <p>Automatic</p> <p>ARC – ICE – DECAY</p> <p>30 m, high voltage shielded cable – 6mm²</p> <p>30 m, 10mm² – Indented Cable</p> <p>30 m, 3 x 4mm²</p> <p>30 m, 1.5mm²</p> <p>Command Module: 1130 x 635 x 735</p> <p>Reel Container: 1900 x 830 x 600</p> <p>230 kg</p> <p>220 VAC/50Hz</p> <p>-10 °C ... +50 °C</p> <p>HD 620 S2: 2010, EN 60229: 2008, IEC 60502-2: 2014, EN 60060-3: 2006,</p> <p>EN 61000 6-3: 2007 / A1: 2011, EN 61000-6-1: 2007, EN 61010-1: 2010</p> |
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Delivery includes:

- 30 meters cable reel
- Command Module
- Reflectometer
- Audio frequency generator
- Switch Range key (8, 16 or 32 kV)
- Switch functions Key (ARC Filter, Direct and Signal)
- AT Output cable
- Safety ground cable
- Operation ground cable
- Power cord

Optional:

- 50 meters cable reel
- Trailer or Van Installation

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