Is the SAFETY of your ELECTRICAL WORKERS ensured?

SURETECH™ HV/PT2…

the WORLD-CLASS, High Voltage Personal Tester

Approvals:

- **CE mark**
- **ESKOM (South Africa)**
- **IEC61243 for voltage detectors**
- **EMC EN50081-1:1991(emission)**
- **EMC EN50082-1:1991(susceptibility)**
- **SABS Intrinsically Safe approved**

HV/PT Features

- Detachable contact probe carried in pouch can be fitted to Link Stick Adapter, for contact work
- worn on your belt in its pouch, or in your shirt pocket
- detects voltages from mains up to hundreds of kV AC, even through insulation, at a safe distance
- value engineered for robustness, simplicity and maximum reliability
- adapts easily to standard telescopic link sticks
- handles for safe use at high voltages also available
- SURETECH™ HV/PT testers have been in use by major electricity suppliers for over 10 years
- affordable for every electrical worker
- high brightness LED display, and loud buzzer
- will reduce stress by working **SAFER**
- can actually measure voltage at a safe distance, by new technology developed by us
- responds to 50Hz - 60Hz only
- corona discharge filter
- static discharge filter
- five voltage selections (220/380V, 11kV, 33kV, 66kV, 132kV)
- automatic power down after three minutes of non-operation, to conserve battery life
- Meets IEC 61243-1 for voltage detectors

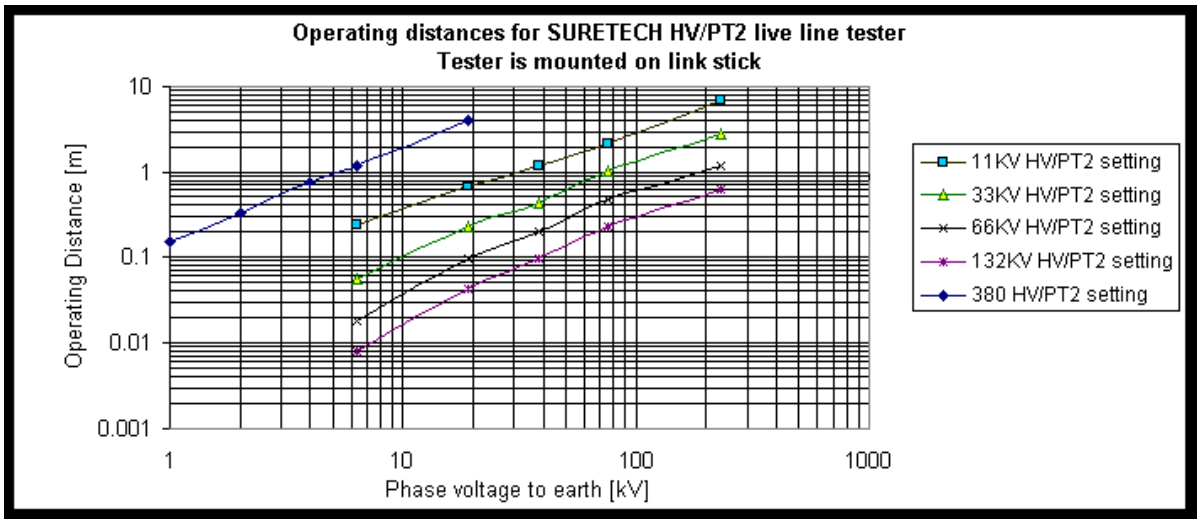
Applications

- HV transformer primary and secondary circuits can be tested without removing insulation.
- Power line operations, cable jointing, and sub-station work, HV, MV & LV.
- fault finding and operating on circuits from less than 100 VAC up to hundreds of kV can be carried out.
- HV/PT2 is **the** most convenient tracer for panel wiring, and 220V fault finding.
- HV/PT2 is **the** ideal tester for LV bundled cables

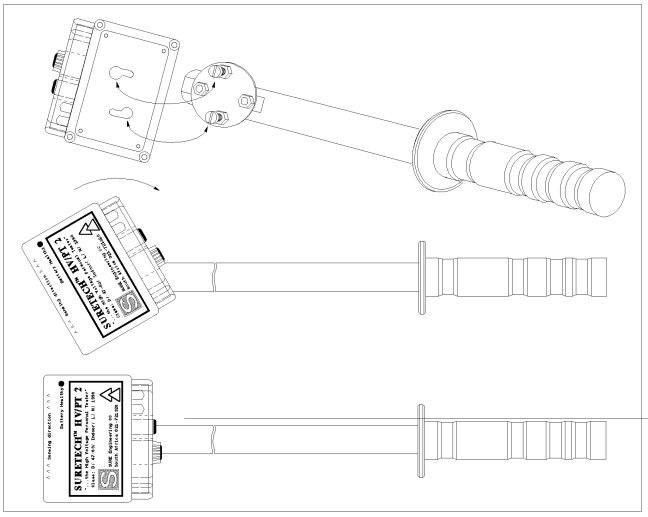
Every electrical professional needs HV/PT2

As an electrical professional, ie technician, electrician or engineer, you are probably (wisely) somewhat apprehensive each time you approach HV equipment or apparatus, being unsure whether the apparatus is live or dead. SURETECH™ HV/PT2 is a compact, affordable, high quality proximity HV tester that is manufactured in South Africa. Your own personal HV tester is now available for you to wear at all times. A five position sensitivity switch enables the user to approach the HV source on the highest sensitivity at a safe distance. A set of insulated handles is also available. SURETECH™ HV/PT2 will increase your confidence. SURETECH™ HV/PT **has** saved many lives to date!

What SURETECH™ HV/PT2 will do for you



SURETECH™ HV/PT2 *…the High Voltage Personal Tester* can actually measure voltage from a safe distance, without touching the HV source. Voltage estimates can be done holding the tester in your hand. More accurate measurements can be achieved with the tester on the end of a link stick. The HV/PT2 is normally worn on your belt, or can be carried in a shirt pocket. You will no longer need to run back to your vehicle to fetch the proximity tester because it is too bulky to carry with you. Within a matter of seconds you can measure **for yourself** what the voltage is by checking operating distance against the graph. The tester is so simple to use that even unskilled workers can operate it with a **minimum of instruction**. You will be **less stressed** knowing that you are carrying your own personal tester at all times. You will **sleep better** at night, without worrying about that dreaded electrical flash-over. Supervisors will **not have the constant anxiety** of being responsible for the safety of others, and **will no longer have to endure the guilt** that follows an electrical accident. SURETECH™ HV/PT2 will allow each worker to **take responsibility for his own safety** without having to rely on supervisors or colleagues to confirm that certain electrical apparatus is isolated. When each person carries his own tester, **higher levels of confidence** can be attained as each individual can ascertain the state of the apparatus under test. **Better team work** is attained with SURETECH™ HV/PT2 testers using the correct procedures, which will lead to much **safer operating conditions**. SURETECH™ HV/PT2 is value engineered so that your organisation can afford to provide each electrical professional with his own tester.



Technical Description:

- **Physical:** The circuitry is potted in a high impact epoxy resin to provide a module which is virtually indestructible in normal use and will have an extra long life expectancy. SURETECH™ HV/PT2 sensor module is available in black plastic with white lettering.
- **Dimensions:** 72mm x 68mm x 27mm. Mass, including adapter plates, without battery: 200g.
- **Battery:** A 9 volt Alkaline PP3 battery is contained in the plastic sensor box. The battery provides the source of power to operate the electronic circuits. An auto power down circuit operates after about three minutes to conserve battery power.
- **Sensor Circuitry: Circuitry includes:** sensing, threshold detection, battery healthy indicator (green LED), corona & static discharge filter, auto power-down, and drivers for the high-brightness orange LED and buzzer.
- **Controls:** A five-position switch on the sensor selects voltages from 220/380V, 11kV, 33kV, 66kV and 132kV. A second switch is the **press-on** switch, which turns power on.
- **Link Stick Adapter and contact probe:** A probe spacer can be fitted to the LSA for use in accordance with IEC 61243-1 contact type testers. The LSA adapts the tester to the Link Stick. Both LSA and probe fits into the pouch.
- **Handles:** A black plastic adapter is available for fitting to standard telescopic link sticks. For indoor remote sensing applications, and also confined outdoor applications, a set of SURETECH™ handles is available. Handles are made up of UV stabilised grey polypropylene insulating sticks, and a black nylon grip which screws into the insulating stick.
- **Protection Pouches:** A woven nylon pouch with a velcro seal, which can be worn on a belt, is available for protection of the sensor. Velcro sealed bags are also available for the handles.

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CAUTION: Before operating the SURETECH™ HV/PT2 tester, read the manual carefully

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