

Is the SAFETY of your ELECTRICAL WORKERS ensured?

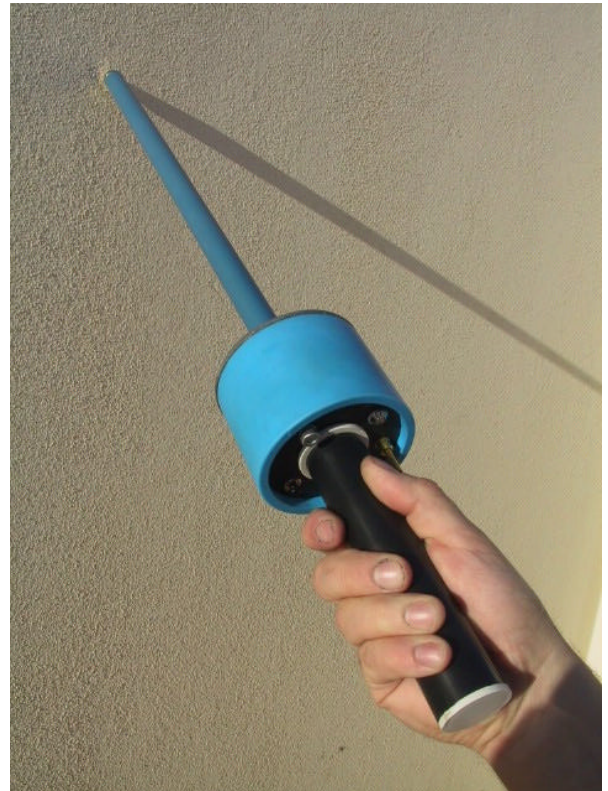
SURETECH™ DC/PT... *the High Voltage DC Personal Tester*

Here is the tester for DC & traction electrical workers

DC/PT Features

- ✓ Used on voltages up to 10kV to earth
- ✓ Responds to 50Hz - 60Hz as well as DC
- ✓ Detection threshold is 750Volts dc
- ✓ Earth Terminal stud on probe, connects probe to earth as reference, via curly cord cable
- ✓ Various probe tips available, hooks, points etc
- ✓ Carried in Nylon bag, ready for action at any time
- ✓ Push ON button, the tester switches itself OFF after 2minutes to conserve battery OR
- ✓ Switch turns tester ON and OFF
- ✓ Buzzer beeps and LED turns on when voltage is present
- ✓ Two buzzers are used to increase sound level; two buzzers are not exactly the same pitch; Two pitch sound is piercing like a cricket
- ✓ 9 volt standard Alkaline battery should last a number of years
- ✓ value engineered for robustness, simplicity and maximum reliability
- ✓ affordable for every electrical worker
- ✓ high brightness LED display, and loud buzzers
- ✓ will reduce stress by working **SAFER**
- ✓ corona discharge filter
- ✓ HV transformers, cables, and insulated switchgear circuits can be tested by making contact to conductor
- ✓ Out-door power line operations
- ✓ Cable jointing checks
- ✓ Sub-station work, HV & MV
- ✓ fault finding and operating on circuits from 1kV

Every electrical professional needs DC/PT



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™ DC/PT is a compact, affordable, high quality contact tester. The SURETECH™ DC/PT comes from the same family as HV/PT2 tester for AC, which **has** saved many lives to date!

Within a matter of seconds you can measure **for yourself**

whether a voltage exceeding 750V is present. The tester is so simple to use, that even less skilled workers can operate it with a **minimum of instruction**. You will be **less stressed** knowing that you are carrying your own Personal contact 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™ DC/PT 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™ DC/PT testers using the correct procedures, which will lead to much **safer operating conditions**. SURETECH™ DC/PT is value engineered so that your organisation can afford to provide each electrical worker with his own tester.

Technical Description:

- ✓ **Physical:** The circuitry is potted in a high impact polyurethane resin to provide a module which is virtually indestructible in normal use and will have an extra long life expectancy.
- ✓ **Serial Number:** Each HV/PA has its own unique Serial Number, to ensure trace-ability and the highest possible manufacturing quality.
- ✓ **Materials:** PVC, filled with polyurethane potting compound (FR453)
- ✓ **Probe Dimensions:** Probe length (active) = 500mm, probe diameter = 20mm.
- ✓ **Sensor Dimensions:** Sensor length = 70mm, sensor diameter = 90mm.
- ✓ **Handle Dimensions:** Handle length = 130mm, handle diameter = 35mm.
- ✓ **Mass:** 1kg
- ✓ **Battery:** A 9 volt Alkaline PP3 battery is contained in the plastic sensor box, and is easily changeable by removing four screws. The battery provides the source of power to operate the electronic circuits. An auto power down circuit operates after about three seconds to conserve battery power.
- ✓ **Battery terminals:** **The battery terminals are protected internally from being crushed in the likely event that the tester is dropped. Care should of course always be exercised when handling an instrument**
- ✓ **Testing the DC/PT tester:** **A SURETECH proving unit is available to prove that the DC/PT is operating, and should always be used to cross-check that the DC/PT and it's battery is healthy**
- ✓ **Sensor Circuitry:** **Circuitry includes:** sensing, threshold detection, battery healthy indicator (green LED), auto power-down, and drivers for the high-brightness orange LED and buzzers
- ✓ **Controls:** ON / OFF battery switch, earth terminal stud connection
- ✓ **Protection Pouches:** A woven nylon pouch with a velcro seal is supplied; for transport and protection of the sensor. The velcro sealed pouch is lined with anti-static film, which is needed to stop the tester from switching itself ON from static build up, as it is carried.

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CAUTION: Before operating the SURETECH™ DC Personal Tester, read the manual carefully



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