

SZT-3 P/N tester



Introduction

The SZT-3 **P/N tester** is for distinguishes the silicon unit crystal material the conduction type “P” and “N” the metering equipment. Uses the temperature difference effect and the rectification effect two methods unifies the comprehensive survey electric conduction model instrument, the measuring range broad silicon material electronic resistivity from 10^{-2} ~ $10^4\Omega/\text{cm}$.

The instrument used the US 16 monolithic integrated circuit computer is the core, the use digit gathering filter technique, and uses “P” “N” the numerical code to display directly. Using SCM technology enables the measurement accuracy and stability greatly. **This instrument using 3-point hand-held probe natural**, simple, easy to operate and long life, suitable for semiconductor materials factory, the device works and scientific research departments.

use the rectification effect to sort Solar polycrystalline materials, if resistivity $<0.01\Omega/\text{cm}$, the tested material can be indicated as the “readulterated material” by means of sound and light alarm. Widely used in solar cell production of raw material selection links, quickly and efficiently.

Technical parameters

- 1) measuring range: 10^{-2} ~ $10^4\Omega/\text{cm}$.
- 2) measurable material: silicon rods and wafers, and silicon broken particles
- 3) semiconductor materials can be measured dimensions: $\Phi 15 \sim \Phi 150$ mm or more
- 4) display way: P and N
- 5) test probe: hand holder, probe space: 3mm, probe material: High-speed needle $\Phi 1\text{mm}$ (if you need we also can change this into tungsten carbide $\phi 0$)
- 6) electric supply: 220V, 50Hz, 20W
- 7) measurement: 230*210*100mm
- 8) weight: 2kgs

For more 4pp tester information, please kindly ref:

http://winchoice.en.alibaba.com/productgrouplist-200025055/test_instrument_lab_electronics.html

<http://www.sztcdz.com>



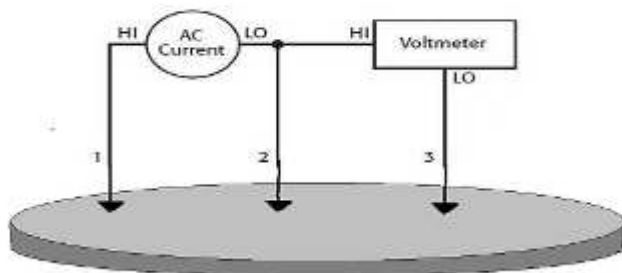
connect with 3 point probe



← The universal AC adaptor



← Hand hold 3 point probe



Circuit for Determining Conductivity Type Using the Rectification Mode