

Hioki ST4030A Impulse Winding Tester, 100 V to 4200 V



The Hioki ST4030A Impulse Winding Tester is a high-precision surge tester used for quality inspection of electric motor windings, detecting insulation defects such as layer-to-layer and turn-to-turn shorts. It is designed for manufacturers of components used in electric vehicles (EVs) and other high-reliability motors. The ST4030A's testing capabilities were improved over the previous generation to better identify minuscule defects that were previously undetectable.

Specifications

- Applied voltage: Ranges from 100 V to 4200 V with 10 V resolution.
- Testable inductance: 10 μ H to 100 mH.
- Sampling: Offers selectable speeds and 12-bit resolution.
- Test time: Approximately 60 ms under specific conditions.
- Test condition tables: 255 tables are available for various settings.
- Power supply: 100 to 240 V AC, 50/60 Hz.