



GDZRS-2H Three Phase DC Winding Resistance Tester



General Information

GDZRS-2H is suitable for various tested object such as distribution transformers, CT/PT, reactors, generators, motors. It also can be used for measuring switch, copper bar, contactor, relay contacts, metal wire, cable accessories and other test object.

Features

- Hand-held type, light and portable.
- One time connection, no need to re-connect and disconnect the test lead, to save more time.

- Built-in large capacity lithium battery, working continuously for more than 10 hours in typical situation. (Typical situation means the tested resistance is less than 100mΩ, 2A with full charge.)
- Five kinds of test mode is optional. Automatic measure winding resistance of selected HV side or LV side, including 3-phase winding measurement of HV and LV, or single winding measurement.
- Automatically select the test current, max. current up to 2A.
- Effective reading up to 50000 words, display range is 0-49999, 2.5 times of similar products from other manufacturers.
- Wide measurement range of 0.1μW to 20kW.
- Simple and friendly menu, with clear data display, even under the sunlight.
- With calendar, data storage 10000 groups, the data will not be lost even the instrument is power off.
- USB storage, used to store and transfer the test results for checking and editing.
- Synchronous winding magnetization technology, to make accurate and fast DC resistance test for big inductance load. No matter star connection, or delta connection, one time connection can finish 3-phase measurement. Automatically calculate 3-phase unbalance rate, greatly save measurement time and improve efficiency.
- Built-in automatic degaussing function, With sound discharge alarm, discharge instruction is clear.
- When the test wire is disconnected or the power supply is cut off, it has very strong anti-arcing ability.

Specifications

| | | |
|---|-------------------|---|
| Power Supply | | AC: AC220V±10%,50Hz±1Hz |
| | | DC: Built-in 14.8V/2.6AH Lithium battery |
| Output current | | 20mA, 200mA, 2A(automatic selection based on range) |
| Output voltage of open circuit | | DC12V |
| Range(Automatic switch of resistance range) | | |
| 2A (Max.5.5Ω) | | 200mA (Max.55Ω) |
| | | 20mA (Max. 22kΩ) |
| 0.0001mΩ-4.9999mΩ | | 0.01mΩ-499.99mΩ |
| 0.001mΩ-49.999mΩ | | 0.0001Ω-4.9999Ω |
| 0.01mΩ-499.99mΩ | | 0.001Ω-49.999Ω |
| 0.0001Ω-4.9999Ω | | 500.00Ω-999.99Ω |
| | | 1.000kΩ-9.999kΩ |
| | | 10.00kΩ-19.99kΩ |
| Accuracy | Less than 1.000kΩ | ±(0.2%RD+0.05%FS) |

| | | |
|------------------------|------------------------------|---|
| | 1.000k Ω and above | $\pm(0.2\%RD+0.1\%FS)$ |
| Min. Resolution | | 0.1 $\mu\Omega$ |
| Storage | | 10000groups |
| Display | | LCD display |
| Working environment | | -10~40 $^{\circ}C$ |
| Environmental humidity | | $\leq 80\%RH$, no condensation |
| Storage condition | | -20 $^{\circ}C$ ~50 $^{\circ}C$, $\leq 95\%RH$, no condensation |
| Size | | 170mm \times 119mm \times 45mm |
| Weight | | 595g(with battery) |