# T-3630S

## ECONOMIC DIGITAL INSULATION RESISTANCE METER

T-3630S Digital insulation resistance meter also known as megohmmeter, high voltage insulation resistance tester, etc., for the insulation resistance test. The instrument has a large LCD screen gray backlight display, data storage, data access, alarm, automatic shutdown and other functions. At the same time, it also has the function of measuring AC voltage absorption ratio and polarization index of DC voltage. The machine is beautiful and upscale, has a wide range, high resolution, convenient operation, easy to carry, accurate, reliable, stable performance, strong anti-interference ability. Moreover, it has a shockproof, dust-proof, moisture-proof structure and is a commonly used and indispensable instrument for telecommunications, electricity, meteorology, computer rooms, oil fields, electromechanical installation and maintenance, and industrial enterprises that use electricity as industrial power or energy. T-3630S insulation resistance meter is suitable for measuring the resistance value of various insulating materials and the insulation resistance of transformers, motors, cables and electrical equipment.

T-3630S Digital insulation resistance meter consists of medium and large scale integrated circuits. The output power of T-3630S is large, and its output voltage level is 5 voltage levels. Standard rated insulation test voltage range 100 - 1000V, max 2500V optional. insulation resistance measurement range 0.01MΩ - 50GΩ or 0.01MΩ - 100GΩ . DC voltage measurement range 0 - 1000V, AC voltage measurement range 0 - 1000V.

## Application

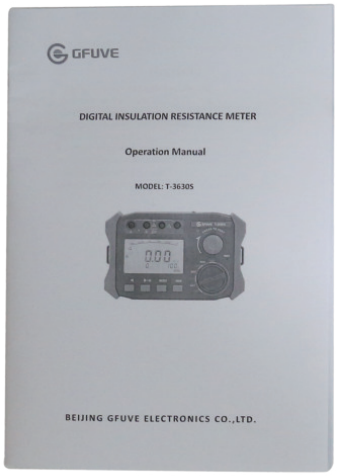
1. Universities;
2. Power plant;
3. Oil gas company;
4. Research institutes;
5. Electrical laboratory;
6. Electrical testing center;
7. Communication company;
8. Railway electrical department;
9. Electrical equipment manufacturers;
10. Electricity power bureau & power company;
11. Power engineering commissioning company;
12. Electrical Department of industrial and mining enterprises;

## Functions & Features

1. Accuracy 3%;
2. AC Voltage test;
3. DC Voltage test;
4. 0-50GΩ/0-100GΩ;
5. DC voltage 0-1000V;
6. AC voltage 0-1000V;
7. With gray backlight;
8. Recorder 500 sets data;
9. With replacement battery;
10. Digital insulation resistance test;
11. User friendly menu guided operation;
12. 100V, 250V, 500V, 1KV, 2.5KV(Optional);

## Parameters

| Electrical parameters | |
|---|---|
| Function | Insulation resistance test, voltage test, DC voltage measurement |
| Accuracy | 3% |
| Power Supply | 1.5V rechargeable battery(8PCS), Working 100 hours |
| Rated voltage range | 100v, 250V, 500V, 1000V; max 2500V(optional) |
| Insulation resistance range | 0Ω-50GΩ (100GΩ optional) |
| Resolution | 0.01MΩ |
| DC Test Voltage Range | 0−1000V; Resolution: 0.1V |
| AC Test Voltage Range | 0−1000V; Resolution: 0.1V |
| Output short-circuit Current | ≥1.5mA(1000V) |
| DAR & PI Measurement | Yes |
| Backlight | Yes |
| LCD display | 73mm×43mm, 4-bit LCD display, gray screen backlight |
| Communication | USB Port |
| Data Storage | 500 GROUPS |
| Alarm Function | Yes |
| Power Consumption | Standby: 18mA Max(backlight off), Turn on backlight: 43mA Max, Measure： 326mA Max(backlight off) |
| Insulation Resistance | ≥200MΩ (500V between circuit and shell) |
| Withstand voltage | AC3kV/50Hz 1min (between circuit and housing) |
| Test cable | HV red cable 1m, black 1m |
| Standard | IEC61010-1(CAT Ⅲ 300V), IEC1010-2-31, IEC61557-1,5, IEC60529(IP54), Pollution degree 2) EN/IEC61326(EMC) |

| Mechanical parameters | |
|---|---|
| Dimensions (W×D×H) (mm) | 175x112x53 |
| Weight (kg) | 1.23 |
| **Environmental conditions** | |
| Operating temperature | -10°C to +50°C |
| Storage temperature | -40°C to 70°C |
| Relative humidity | ≤90%RH |

## Accessory