

The Insulation Multimeter combines a digital insulation tester with a full-featured, compact and handheld unit, which provides maximum versatility for both troubleshooting and preventative maintenance.

- Wide range measurements from 125V to 1000V and up to 1000MΩ.
- Large 4000 counts digital display with bargraph and backlight.
- MAX/MIN, PEAK, Relative value & Data hold functions for DC/AC voltage measurements
- Polarization index measurement(PI).
- Auto ranging & Timer measurement function.
- Indication of output voltage and discharge voltage.
- Voltage output warning function.
- Auto power off and battery check.
- Safety standard IEC61010-1 CAT IV 600V



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Specifications

| Function | Insulation resistance | | | | Voltage | | Resistance |
|---|---|-----------------|-----------------|-----------------|--------------------|----------------------|--------------------------------------|
| | 125V | 250V | 500V | 1000V | AC/DCV | AC/DCmV | 5VDC Output |
| Range | 125V | 250V | 500V | 1000V | AC/DCV | AC/DCmV | 5VDC Output |
| Measuring range (Auto ranging) | 0.125~1000MΩ | 0.250~1000MΩ | 0.500~1000MΩ | 1.000~1000MΩ | 0~600.0V (50~1kHz) | 0~500.00mV (50~1kHz) | 0~20.00Ω 20.0~200.0Ω 200~2000Ω |
| Accuracy | ±3%rdg ±2dgt | | | | ±1.5%rdg ±5dgt | | ±1.5%rdg ±3dgt |
| Short Circuit Current | 1mA approx | | | | - | | |
| Rated test Current (at load Resistance) | 1mA@ load 125kΩ | 1mA@ load 250kΩ | 1mA@ load 500kΩ | 1mA@ load 1MΩ | - | | |
| Open circuit voltage | 125VDC/+10%-0% | 250VDC/+10%-0% | 500VDC/+10%-0% | 1000VDC/+10%-0% | - | | |
| Continuity check | Buzzer sounds at 50Ω | | | | | | |
| Display | 4000 Counts | | | | | | |
| Current consumption | About 30mA | | | | | | |
| Safety standard | IEC 61010-1 CAT IV 600V Pollution Degree 2 | | | | | | |
| Power supply | DC12V : 8 x1.5V“AA” batteries | | | | | | |
| Accessories | Test leads, Instruction Manual and 120V/250V AC adaptor | | | | | | |

Size(HxWxD): 220mm x 96.5mm x 60.5mm Weight: 631g Accessories:Test leads, 8 x1.5V“AA” batteries, gift box with carrying case.

DT-6611 LOOP/PSC Tester



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Specifications

| Measurement specifications | Range | Resolution | Accuracy |
|-----------------------------------|---------------------|------------|-------------------|
| Loop Impedance | 0.05...1999Ω | 0.01...1Ω | ±(5%rdg,+5Digits) |
| Resistance neutral connector | 0.05...19.99Ω | 0.01Ω | ±(5%rdg,+5Digits) |
| Resistance phase connector | 0.05...19.99Ω | 0.01Ω | ±(5%rdg,+5Digits) |
| Resistance earth connector | 0.05...1999Ω | 0.01...1Ω | ±(5%rdg,+5Digits) |
| Prospective short circuit current | 0...20KA | 1A | 10A |
| Voltage | 0...440V | 1V | ±(3%rdg,+3Digits) |
| Mains frequency | 10...200Hz | 0.1Hz | ±(1%rdg,+3Digits) |
| Contact voltage | 25V/50V(selectable) | | |

DT-6612 RCD Tester



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Specifications

| | Range | Resolution | Accuracy |
|----------------------|-------------------------------------|------------|-------------------|
| Nominal test current | 10/30/100/500mA/1A | | (-0%+10%)+6Digits |
| Current selection | 0.5 x, 1x, 5 x nominal current | | |
| Trip time | 2000 ms at 0.5 x, 1x 50 ms at 5x | 1ms | ±(2%rdg,+2Digits) |
| Ramp test | 0.4 x to 1.4 times | | 10 % |
| Mains voltage | 230V | 1V | +10%/-10% |

The Insulation Multimeter combines a digital insulation tester with a full-featured, True RMS digital multimeter in a single, compact and handheld unit, which provides maximum versatility for both troubleshooting and preventative maintenance.

Features

| | 9985 | 9985B/9985RF | 9986 |
|---|------|--------------|------|
| Save both time and money with Automatic calculation of Polarization Index and Dielectric Absorption Ratio | | | * |
| Slim probes designed with test button | | 9985B | |
| 200 mA Continuity | | | * |
| Compare function (pass/fail) for fast repetitive tests | | | * |
| Insulation test voltages 125V, 250V, 500V, 1000V | * | * | * |
| Insulation test: 0.001MΩ to 4000MΩ | * | * | * |
| Auto discharge of capacitive voltage | * | * | * |
| Insulation test smoothing reading | * | * | * |
| Min/Max function | * | * | * |
| K-type thermocouple | * | * | * |
| Rugged, utility hard case | * | * | * |
| Auto power off to save battery power | * | * | * |
| True-RMS | * | * | * |
| Large LCD display with backlight | * | * | * |
| CAT III 1000V, CAT IV 600V measurement category | * | * | * |
| IP67 Waterproof and Auto Power Off | * | * | * |
| Wireless USB interface | * | * | * |

Specifications (9985/9985B/9985RF/9986)

| Multimeter | | | | | |
|------------------|---------------|------------|-----------------------------|-----------------|-----------------------|
| Function | Max Range | Resolution | Basic Accuracy | | |
| DC Voltage | 1000V | 0.1V | ±(0.06% reading + 4digits) | | |
| AC Voltage | 1000V | 0.1V | ±(1.0% reading + 30 digits) | | |
| DC Current | 10A | 0.001A | ±(1.0% reading + 3 digits) | | |
| AC Current | 10A | 0.001A | ±(1.5% reading + 30digits) | | |
| Resistance | 40MΩ | 0.0001MΩ | ±(0.3% reading + 4 digits) | | |
| Frequency | 40MHz | 0.01MHz | ±(0.1% reading + 1 digits) | | |
| Duty Cycle | 0.1 to 99.90% | 0.01% | ±(1.2% reading + 2 digits) | | |
| Temperature | -50 to 1200°C | 0.1°C | ±(1.0% reading + 2.5°C) | | |
| | -58 to 2192°F | 0.1°F | ±(1.0% reading + 4.5°F) | | |
| 4-20mA% | -25 to 125% | 0.01% | ±50 digits | | |
| Insulation | | | | | |
| Terminal Voltage | Range | Resolution | Accuracy | Test Current | Short circuit current |
| 125V(0% ~10%) | 0.125~4.000MΩ | 0.001MΩ | ±(2%+10) | 1mA @load125kΩ | ≤1mA |
| | 4.001~40.00MΩ | 0.01MΩ | ±(2%+10) | | |
| | 40.01~400.0MΩ | 0.1MΩ | ±(4%+5) | | |
| 250V(0% ~10%) | 400.1~4000MΩ | 1MΩ | ±(5%+5) | 1mA @load250kΩ | ≤1mA |
| | 0.250~4.000MΩ | 0.001MΩ | ±(2%+10) | | |
| | 4.001~40.00MΩ | 0.01MΩ | ±(2%+10) | | |
| 500V(0% ~10%) | 40.01~400.0MΩ | 0.1MΩ | ±(3%+5) | 1mA @load1500kΩ | ≤1mA |
| | 400.1~4000MΩ | 1MΩ | ±(4%+5) | | |
| | 0.500~4.000MΩ | 0.001MΩ | ±(2%+10) | | |
| 1000V(0% ~0%) | 4.001~40.00MΩ | 0.01MΩ | ±(2%+10) | 1mA @load1MΩ | ≤1mA |
| | 40.01~400.0MΩ | 0.1MΩ | ±(2%+5) | | |
| | 400.1~4000MΩ | 1MΩ | ±(4%+5) | | |
| | 1.000~4.000MΩ | 0.001MΩ | ±(3%+10) | | |
| | 4.001~40.00MΩ | 0.01MΩ | ±(2%+10) | | |
| | 40.01~400.0MΩ | 0.1MΩ | ±(2%+5) | | |
| | 400.1~4000MΩ | 1MΩ | ±(4%+5) | | |

Size(HxWxD): 220mm x 96.5mm x 60.5mm Weight: 631g

Accessories: Test leads, 6x1.5V“AAA” batteries, Type K temperature probe, USB cable and Software(9985RF/9986), gift box with carrying case.



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 9985B



Model 9985RF