

FR3015 Insulation Resistance Tester (Tramegger2500V)



I、Features

FR3015 Digital insulation resistance meter, also known as megom meter, high voltage insulation resistance tester, used for insulation resistance test. This instrument has the LCD large 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 the DC voltage ac voltage absorption ratio and polarization index. The whole machine is beautiful and high-grade, wide range, high resolution, convenient operation, easy to carry, accurate, reliable, stable performance, and strong anti-interference ability.FR3015


And has the earthquake-proof, dust-proof, moisture-proof structure, adapt to the harsh working environment, is the power, post and telecommunications, communication, mechanical and electrical installation and maintenance and the use of power as industrial power or energy industrial enterprises commonly used and essential instrument. It is suitable for measuring the resistance value of various insulation materials and the insulation resistance of transformers, motors, cables and electrical equipment.

FR3015 Digital insulation resistance meter is composed of medium-scale integrated circuits. This table has large output power and many output voltage levels. The maximum rated insulation test voltage is 2500V, and the maximum insulation resistance measurement value is 100.0G Ω. The DC voltage measurement range is 0~1000V, and the AC voltage measurement range is 0~1000V.

II, Type Specification

Model	FR3015	FR3015E
Rated voltage	100~1000V	250~2500V
Insulation resistance range	0.06MΩ~50.00GΩ	0.10MΩ~100.0GΩ
Voltage measurement range	0V~1000V	0V~1000V

III、 Range And Technical Specifications

Function	Insulation Resistance test, AC voltage test, DC Voltage Test
Base condition	23°C±5°C, 75%Rh The following
Rated voltage	2500V MAX
Measuring voltage (V)	Rated voltage × (1±10%)
Insulation resistance range	100.0GΩ MAX
Resolution of the insulation resistance	0.01MΩ
DC voltage range	0~1000V
DC voltage resolution	0.1V
AC voltage range	0~1000V
The AC-voltage resolution	0.1V
Output short circuit current	≥1.5mA(1000V)
Absorption ratio and polarization index were measured	Yes
Power supply	1.5V (AA) Alkaline battery 8 knots
Backlight	Controlled gray screen backlight, suitable for dim use
Auto shut off	The instrument is shut operated for 15 minutes
Display mode	4-bit super-large LCD display, gray and white screen backlight
LCD size	73mm×43mm
Instrument size	175mm (length)×112mm (width)×53mm (hgig)
P-wire	High pressure test line red 1 meter, black 1 meter, green line 1 meter
USB interface	With USB interface for data reading and saving record data
Data storage	500 groups, flashing the "FULL" symbol indicating that the storage is full
Data access	Data access function: "MR" symbol display
Overflow display	Over scale overflow function: The OL symbol display
Alarm function	Send an alarm prompt when the measured value exceeds the alarm set point
power dissipation	Standby mode: 18mA Max(Backlight closed)
	Starting up and backlight open: 43mA Max
	Testing: 326mA Max(Back light open)
Quality	1230g(With batteries)
Battery voltage	Battery voltage is insufficient, display the low power symbol“  ”
Insulation resistance	≥50MΩ (1000V)
Withstand voltage	AC3kV/50Hz 1min
Operating temperature and humidity	-10°C~+50°C<85%RH
Storage temperature and humidity	-15°C~+55°C<90%RH
Suitable for safety regulations	IEC61010-1、IEC1010-2-31、IEC61557-1,5、IEC60529(IP54)、污染等 2、CAT III 300V

IV、 Packing list

Instrument	1 pcs
High pressure test line	3pcs (Red, black, green each)
Battery	1.5VAI kaline battery 8 knots
Monitoring software CD	1 pcs
Manual and warranty certificate	1 pcs
USB cable	1 pcs
instrument case	1 pcs

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