

Automatic

Withstand Voltage and **Insulation Resistance**

Tester 850A



Easy Operation & Clear color LCD

Withstand voltage (AC5kV, 500VA) / Insulation resistance (DC500V/1000V)

Model 850A possesses 10 sets of memories having individual or combined continuous test mode for Withstand voltage test (ACW) and Insulation resistance test (IR).

The function of Rise and Fall time setting makes suitable condition for Withstand voltage test. Model 850A is equipped with discharge function for insulation test which release the charge deposited during test on specimen.

Characteristics:

- Setting of Rise and Fall time can be done during withstand voltage test.
- Withstand voltage test (ACW) AC 5 kV, 500 VA Insulation resistance test (IR) DC 500 V and 1000 V
- Max.10 patterns of automatic test mode can be memorized. Insulation resistance test Selection of single or continuous test of ACW and IR can be done.
- Remote I/O or RS-232C interfaces are equipped.
- Safe design with Interlock and Key lock
- Utility software is available for smooth test operation and data saving and transfer.

Specifications:

- Withstand voltage test
 - Output volatge: AC 0 to 5kV (500VA)
 - · Upper limit setting of leakage current : 0 to 99.99mA
- - · Output volatge: DC 500/1,000 V
 - Measurement range: 0 to 9990 MΩ
- Judgment method:
 - Upper and Lower limit by comparator

Withstand voltage test

Test voltage

Output voltage : AC 0.20 to 5.00 kV : 500VA (5 kV, 100 mA) Output capacity

Voltage apply method : Zero cross switch

: Digital input (resolution 0.01 kV) Voltage setting

Voltage measurement

Range :0.00 to 6.00 kV (resolution 0.01 kV)

Accuracy \pm (0.5 % of F.S. + 10 V)

Current measurement

:0.00 to 99.99 mA (resolution 0.01 mA) Range

Accuracy \pm (2 % of rdg. + 0.05 mA)

Test judgment

Method : Upper limit Analog comparator

: Upper and Lower limit Digital comparator

Setting : Upper limit 0.05 to 99.99 mA

Lower limit 0.01 to 50.00 mA and OFF

(resolution 0.01 mA)

:Upper limit ≥ Leakage current ≥ Lower limit. GOOD Upper limit < Leakage current ········HIGH NG Lower limit > Leakage currentLOW NG

(NG: No Good)

Test time

Range : 00:00.2 to 99:59.9s and OFF : Timer ON : Remaining time Display Timer OFF : Elapsed time

Rise/Fall time

: Rise and Fall time of test voltage adjustable. **Function**

: 00:00.1 to 01:59.9s and OFF Range

:AC100 to 240 V 50/60 Hz Power

:0 to 40 °C, Less than 80 % RH (Non-condensing) Op. temp

:-20 to 70 ℃ Storage °C

Ext. Size $:320(W)\times150(H)\times430(D) \text{ mm}$

Weight :Approx. 18 kg

Accessories : High voltage cable 2m1 pair

> :Earth cord 3m 1 pc :Power cord 2.5m 1 pc :Remote I/O plug 1 pc :Operation manual 1 pc (CD)

Insulation resistance test

Test voltage

Rated measuring voltage :DC 500/1,000 V

:Within 125% of rated mesuring voltage Open circuit voltage

Rated measuring current :1 mA

Short circuit current :Less than 15 mA

:0 to 9990 M Ω Display

> Insulation resistance is displayed during test Resistance value at the end of test is retained.

Test judgment

Method :Upper and Lower limit

can be set by digital comparator.

Range :0.01 to 9990 MΩ

(resolution depends on range)

Conditions :Upper limit≥Leakage current≥Lower limit..GOOD

> Upper limit < Leakage current ········HIGH NG Lower limit > Leakage currentLOW NG

> > (NG: No Good)

Test time

Setting :00:00.2 to 99:59.9s or OFF

:0.1 s Resolution

:Remaining time is displayed during test. Display

Set time is displayed at the end of test.

:00:00.1 to 01:59.9 s Mask time

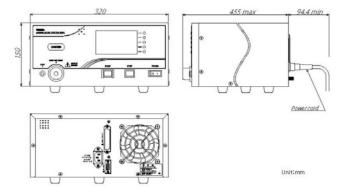
Mask time < Test time

■Interface

· Remote I/O

· RS-232C

■ Dimensions





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