

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.
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
- Insulation resistance test
 - 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
 - Output capacity : 500VA (5 kV, 100 mA)
 - Voltage apply method : Zero cross switch
 - Voltage setting : Digital input (resolution 0.01 kV)
- Voltage measurement
 - Range : 0.00 to 6.00 kV (resolution 0.01 kV)
 - Accuracy \pm (0.5 % of F.S. + 10 V)
- Current measurement
 - Range : 0.00 to 99.99 mA (resolution 0.01 mA)
 - 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 \geq Leakage current \geq Lower limit..GOOD
 - Upper limit < Leakage current.....HIGH NG
 - Lower limit > Leakage current.....LOW NG
 - (NG: No Good)
- Test time
 - Range : 00:00.2 to 99:59.9s and OFF
 - Display : Timer ON : Remaining time
 - Timer OFF : Elapsed time
- Rise/Fall time
 - Function : Rise and Fall time of test voltage adjustable.
 - Range : 00:00.1 to 01:59.9s and OFF

- Power : AC100 to 240 V 50/60 Hz
- Op. temp : 0 to 40 °C, Less than 80 % RH (Non- condensing)
- Storage °C : -20 to 70 °C
- Ext. Size : 320(W)×150(H)×430(D) mm
- Weight : Approx. 18 kg
- Accessories : High voltage cable 2m 1 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
 - Open circuit voltage : Within 125% of rated measuring voltage
 - Rated measuring current : 1 mA
 - Short circuit current : Less than 15 mA
 - Display : 0 to 9990 M Ω
 - 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 M Ω
 - (resolution depends on range)
 - Conditions : Upper limit \geq Leakage current \geq Lower limit..GOOD
 - Upper limit < Leakage current.....HIGH NG
 - Lower limit > Leakage current.....LOW NG
 - (NG: No Good)
- Test time
 - Setting : 00:00.2 to 99:59.9s or OFF
 - Resolution : 0.1 s
 - Display : Remaining time is displayed during test.
 - Set time is displayed at the end of test.
 - Mask time : 00:00.1 to 01:59.9 s
 - Mask time < Test time
- Interface
 - Remote I/O
 - RS-232C

■ Dimensions

