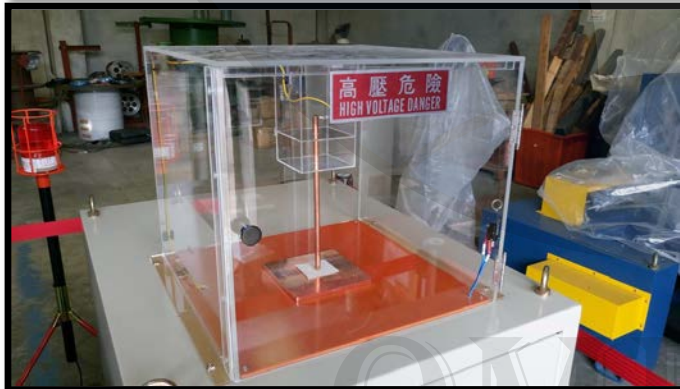




歐鎂亞科技有限公司 OMEYA TECHNOLOGY CO., LTD.

TECHNICAL FILE

DWT20 20kV Dielectric Voltage-withstand Tester



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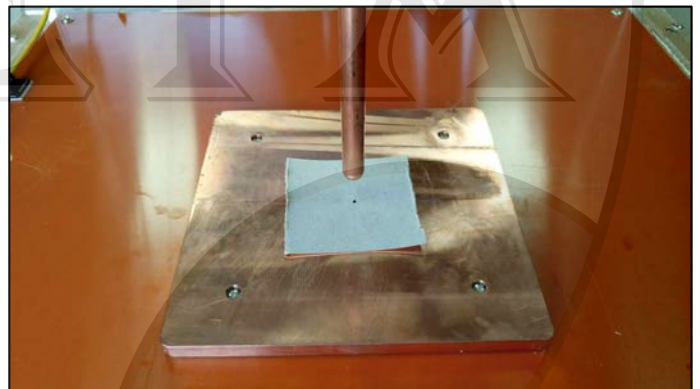
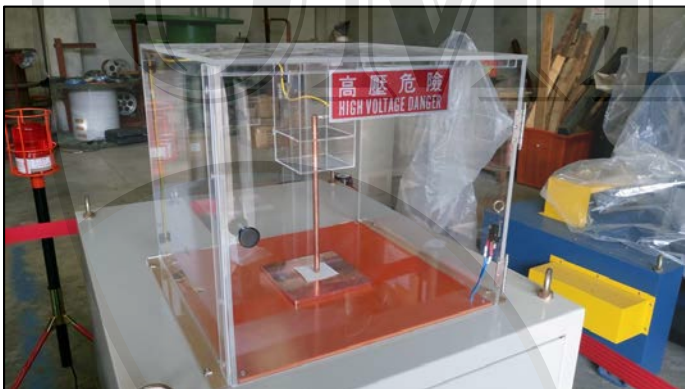


3. Outlook

3-1. Overall



3-2. Testing Box

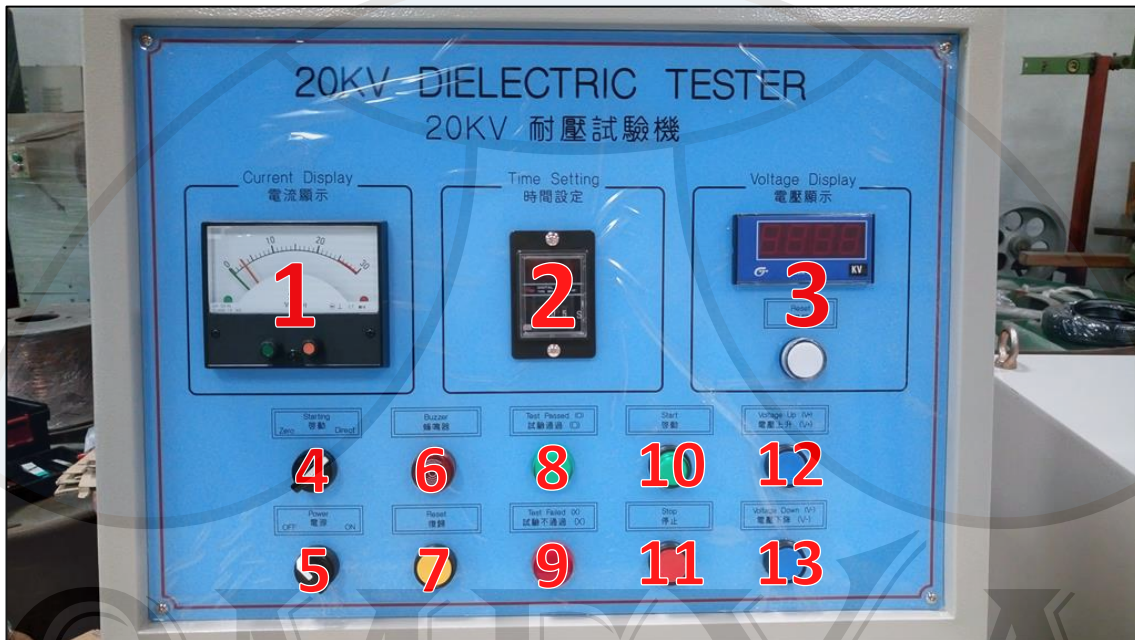


3-3. Control Panel



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4-2-2. Control Panel Operation



1: Current Display

Current setting and display. There are two pointers, green and red. Green pointer sets the lower bound alarm and red pointer sets the upper bound alarm. In this application, we always leave green pointer to zero and set only red pointer to desired value to trigger alarm.

2: Time Setting

Sets testing time required to consider the test being successful. After the specified time without passing over the current set in component 1, the test will be considered successful and "Test Passed (O)" indicator will be lit.

3: Voltage Display

Displays current voltage from high-voltage output. The "Reset" indicator shows whether the variable transformer is at zero point.

4: Starting (Mode)

Zero - Starts the tester from zero point. If the machine is not zero-voltaged, it cannot be started.
Direct - Starts the tester at whatever voltage setting it is without the necessarily to zero the voltage first.

5: Power switch of the entire testing machine.

6: Buzzer for tests failed.

7: Reset

Resets test-passed, test-failed indicators, buzzer and timer.

8: Test passed indicator.

9: Test failed indicator.

10: Start testing button. If the machine cannot start, please check if all the safety doors are close and if "Starting (Mode)" is set to "Zero", the variable transformer needs to be zeroed first.

11: Stop testing button.

12: Increase voltage button. It takes about 52 seconds from 0.0kV to 20.0kV, which the rate of voltage increase is about 385V/s.

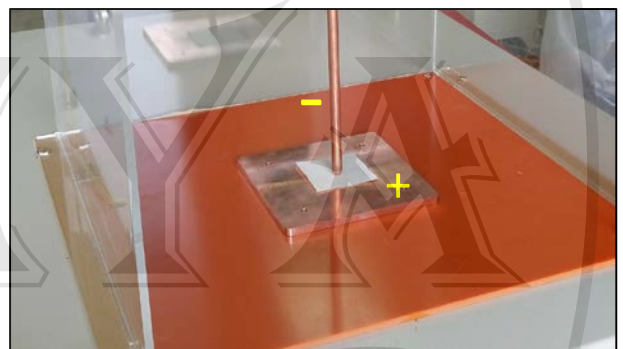
13: Decrease voltage button. It has the same deceleration rate of voltage aforementioned in voltage increase. This is also the button to zero the voltage.

4-2-3. Operation Procedure

Before the operation, the operator must put the protection gloves on to prevent any possibilities of electric shock.



Put specimen between the positive electrode (plate) and the negative electrode (bar). After the specimen is placed, the bar should be put down and touch the specimen.



Close all safety covers. Without closing all safety covers, the high-voltage output will always be shut.



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