

1. Purpose

The insulation test verifies the insulation property of the cell casing, up to the junction between box and cover.

2. Settings

The testing voltage is 500V.

Acceptance limit for the insulation value is $> 10 \text{ M}\Omega$

3. Test Description

Each cell is dipped in a tank full of water.

The water level must be $\sim 5\text{mm}$ from the upper surface of the cover, so the join between cell box and cover to be immersed in the water. The water resistivity of the tank should be less than 2000 Ohmcm .

The insulation resistance is measured by a megohmmeter between the water and the pole.

4. Test Results

Test on 3pcs 2V - 5 OPzS 250, 3pcs 12V - 2 OPzS 100, 3pcs 6V - 6 OPzS 300, 3pcs 2V - 6 OPzS 420, 3pcs 2V - 6OPzS600 & 3pcs 2V - 24 OPzS 3000

Test result: Successful.

With test voltage applied at 500V the measured values are more than 10 MOhms in all cases.

