

## Cable Test Termination

SXCTT-500 cable test termination (water termination) is for PD and AC test for XLPE cables up to 330kV.

### 1. Components

SXCTT-500kV water termination 1 pair

A mould for casting the sealing silicon rubber for terminal of cable

The system has no PD with deionized water when 400KV voltage grade

Each terminal includes outside epoxy tube and inner tube fixed by aluminum tube, The tube on HV side can make water circulate surrounding the test cable and return to external tube. The terminal was fixed on movable trolley by hydraulic and weight-bearing mechanism, the terminal can rise to 45° by hydraulic. **The hydraulic rising is by manual.**

### 2. Function:

Casting silicon rubber seal can be made according to cable section, the cover seal grounding part of terminal

Short peeling length, perfect for routine tests

Specified for AC,LI and SI

Seal terminal without any tools

Insulated cable terminal can test Tg  $\Delta$ /power factor

Movable type, convenient for test

### 3. Specifications

Terminal: lowered 1986mm(high)×2070mm(wideness)×4834mm(depth)

Terminal-raised 4365mm(high)×2070mm(wideness)×4834mm(depth)

Weights : 820kg /single set

Rated Voltage: 500kV r.m.s

Rated Partial Discharge: <3.0pC (at 450kV)

Rated lightning impulse voltage: 1150kV (1~5/50  $\mu$  s);

900kV (250/2500  $\mu$  s)

**Pipe for water terminal:**

Inner diameter of inner pipe: 180mm

Maximum cable diameter to be tested: 140 mm

Up/down: automatic lifting

**4. Test item**

Cable partial discharge measurement

AC voltage withstand

Impulse test

Dielectric loss measurement

Heat cycle test for cables

**5. Reference photos**

