

TD2410 High Voltage Meters Calibration Device



1. Summary

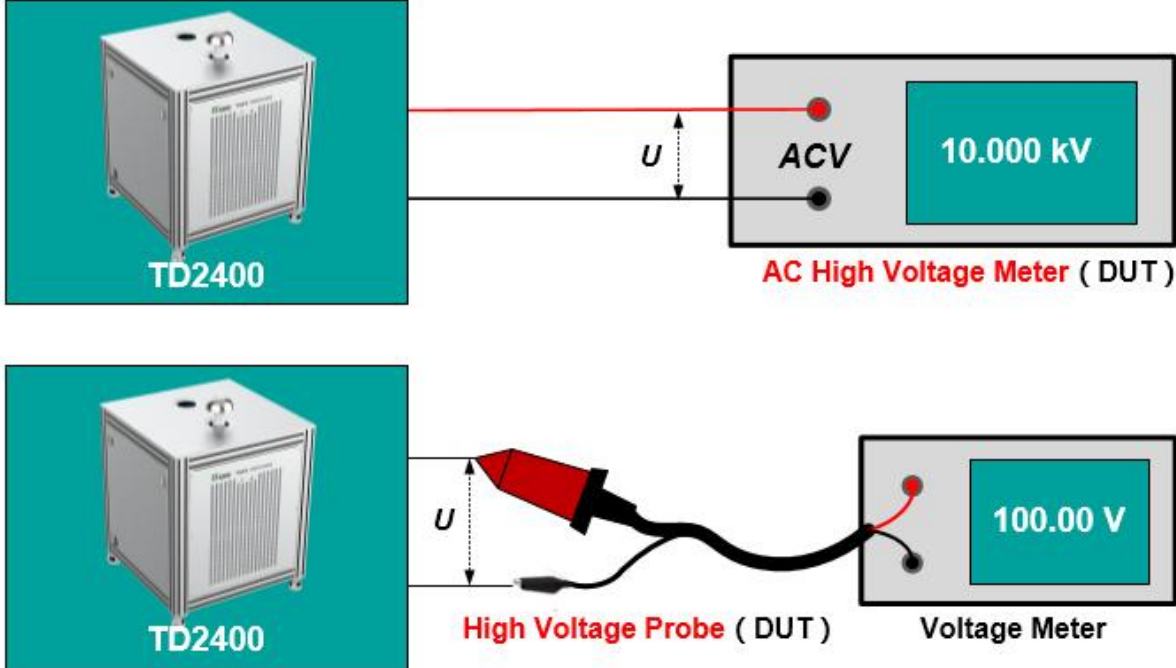
TD2410 is a high-precision and multi-function AC standard high voltage source with wide rang. It's applied for calibrating AC high voltage meter, withstanding voltage testers, high voltage probe etc.

2. Features

- AC voltage output: 1kV~35 kV.
- Accuracy class: 0.02, 0.05.
- Frequency: 45 Hz~65 Hz.
- 2nd~11th harmonic output (option).
- Short-circuit and overload protection.
- LCD touch screen
- High voltage switch for safety.
- RS232 interface.

3. Application

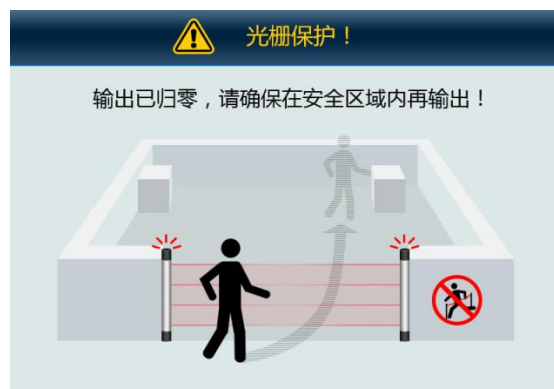
☆ Calibration for AC HV Meter or Probe



- **AC voltage (ACV)** output: 1 kV~35 kV
- Apply to the calibration of alternating high voltage meter, high voltage probe etc.

4. Characteristics

☆ Security of Operation



- **High voltage output indicator** which can warning high voltage danger
- **Optical grating (option):** Optical grating is controlled by software, if someone passing through the optical grating TD2410 will cut off the output immediately for safety.

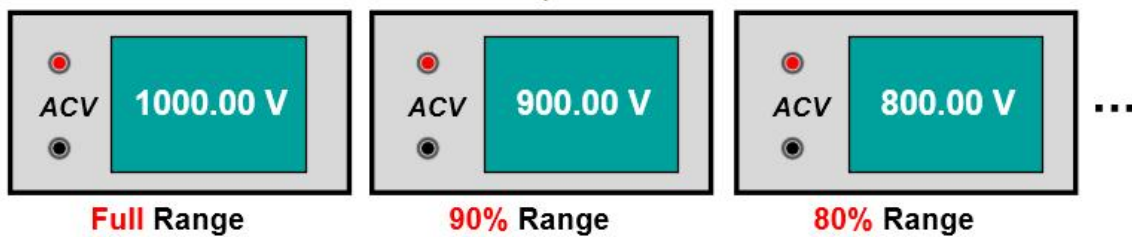
☆ Multiple Output Mode



- “Direct output” mode, User can set output value by touch screen.



Touch Screen “Verification Points”



- Touch “Calibration point” of screen for “% setting” .

☆ Harmonic Function



S/N	Function
1	It can output 2 nd ~11 th harmonic, and set harmonic amplitude.
2	Users can select the harmonics and set up harmonic parameter
3	Harmonic interface for output.

5. Specifications

Range	Resolution	Stability (%/min)	Accuracy ±(ppm of reading + ppm of range) [1]		Distortion (%)
			Class 0.05	Class 0.02	
10 kV	100 mV	0.01	300 + 200	120 + 80	≤ 0.5
35 kV	100 mV	0.01	300 + 200	120 + 80	≤ 0.5

Note [1] : (ppm = parts per million) (e.g., 10ppm = 0.001%).

- Output range: 1 kV~35 kV, 6 digits true RMS, max burden: 600 VA
- Frequency range: 45.000 Hz~65.000 Hz, uncertainty: 0.01Hz
- Short-circuit and overload protection
- Harmonic function(option): 2nd~11th harmonic, 0~25% adjustable

6. General Specifications

Power Supply	AC (220±22) V, (50 ± 2) Hz
Temperature	Working temperature: 0°C~45°C; Storage temperature: -20°C~70°C
Humidity	Working humidity: < 80% @ 30°C, < 70% @ 40°C, < 40% @ 50°C Storage humidity: (20%~80%) R·H, non-condensing
Interface	RS232 interface

7. Ordering Information

