

TK2600 Pulse Voltage Source



(Reference only)

1. Summary

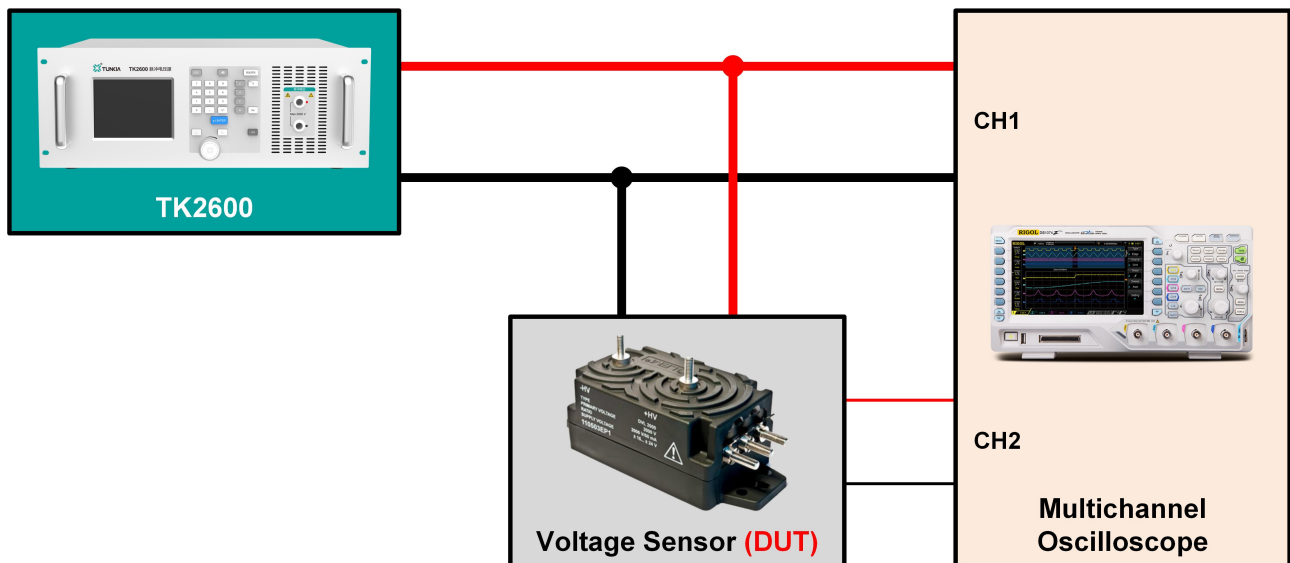
TK2600 is a pulsed voltage source device that can output a pulse voltage of up to 2 kV, and its pulse amplitude, pulse repetition rate and pulse width can be set and adjusted. The rise and fall time of pulse is less than 10 μ s, and the step response performance is faster. The communication interface of the device can realize computer program control operation, which is suitable for measuring the response time of current sensor, Roche coil and other equipment, or calibrating pulse shunt, etc.

2. Features

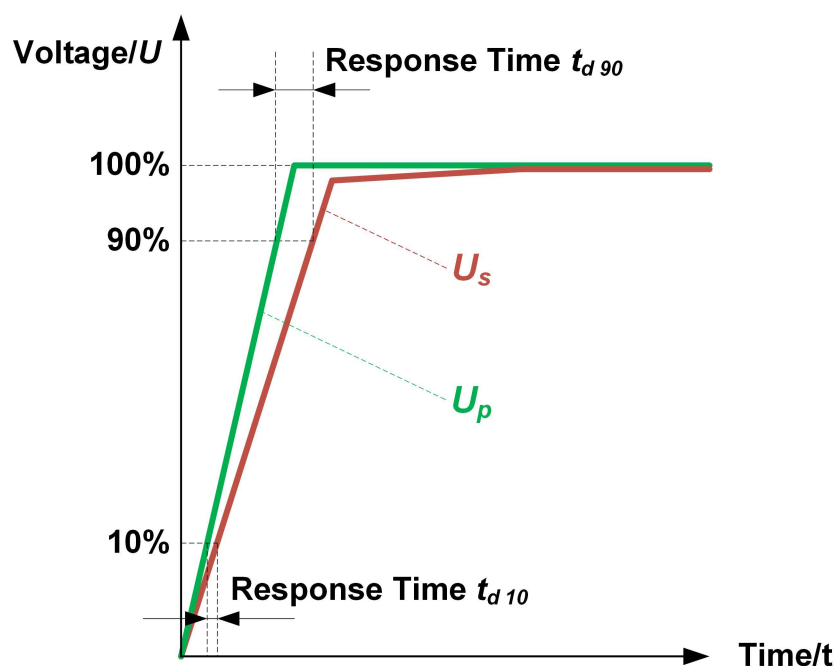
- Pulse voltage output: 200 V ~ 2 kV
- Pulse width: 1 ms ~ 10 ms
- Rise time: $\leq 10 \mu$ s
- Rising edge falling edge on-time: adjustable within 10 ms ~ 10 s

3. Applications

☆ Measure the Response Time of the Voltage Sensor

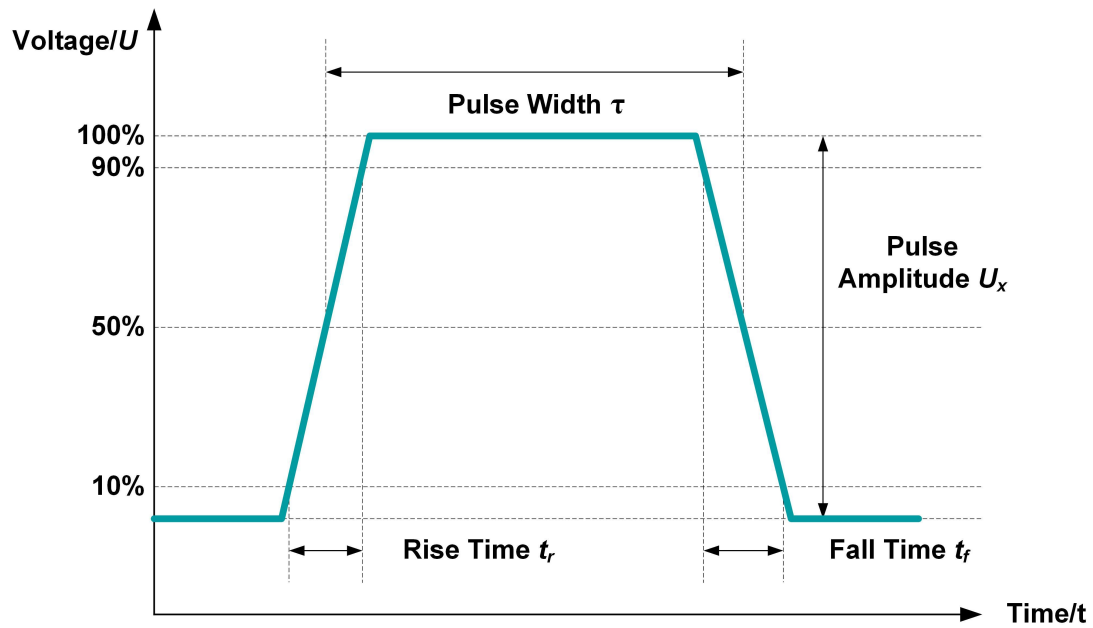


- The resulting step voltage signal flows into both the oscilloscope and the voltage sensor under inspection.
- Observe the waveforms of the sensor's primary and secondary signals through an oscilloscope.
- Using the rise time of the pulse signal as a reference, the response time of the inspected sensor is measured.



4. Characteristics

☆ Rapid Rise



- The output voltage rises quickly, and the rise time when the output voltage is 2000 V is better than 10 μ s. At this time, the dU/dt rate reaches 200 V/ μ s, which satisfies the electricity Requirements for signal sources in the relevant testing standards for pressure sensors.

5. Specifications

Pulse Type	Unipolar pulses, rising edges, and falling edges
Output Range	200 V ~ 2 kV
Adjust the Fineness	0.1 V
Single Pulse Width	Adjustable from 1 ms ~ 10 ms
Single Pulse Rise Time	$\leq 10 \mu\text{s}$
Rising Edge, Falling Edge On-Time	Adjustable in the range of 10ms~10s
Voltage Accuracy	$\pm 0.5\%*$ range

6. General Specifications

Power Supply	AC (220 $\pm$ 22) V, (50 $\pm$ 2) Hz
Maximum Power Consumption	150 VA
Working Environment	Temperature: 15°C ~ 30°C Humidity: 20% R·H ~ 80%R·H, no condensing Others: No electromagnetic field interference.
Storage Environment	Temperature: -2 0°C ~ 70°C Humidity: <95% R· H, no condensing
Communication Interface	RS232×1