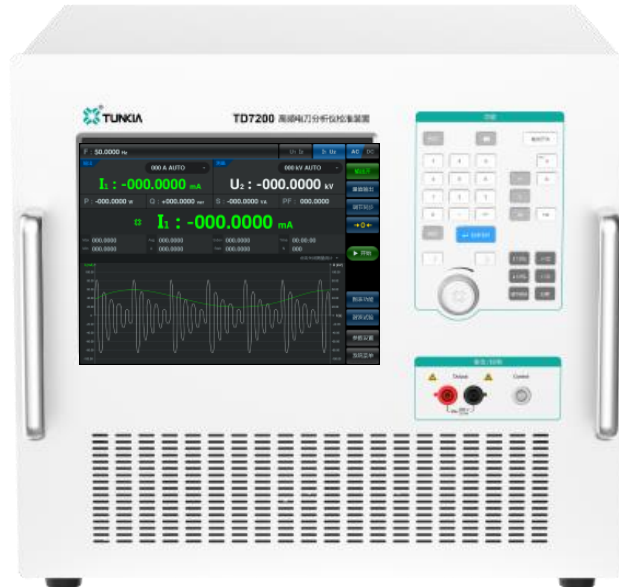


TD7200 Calibrator for Electrosurgical Unit Analyzers



1. Summary

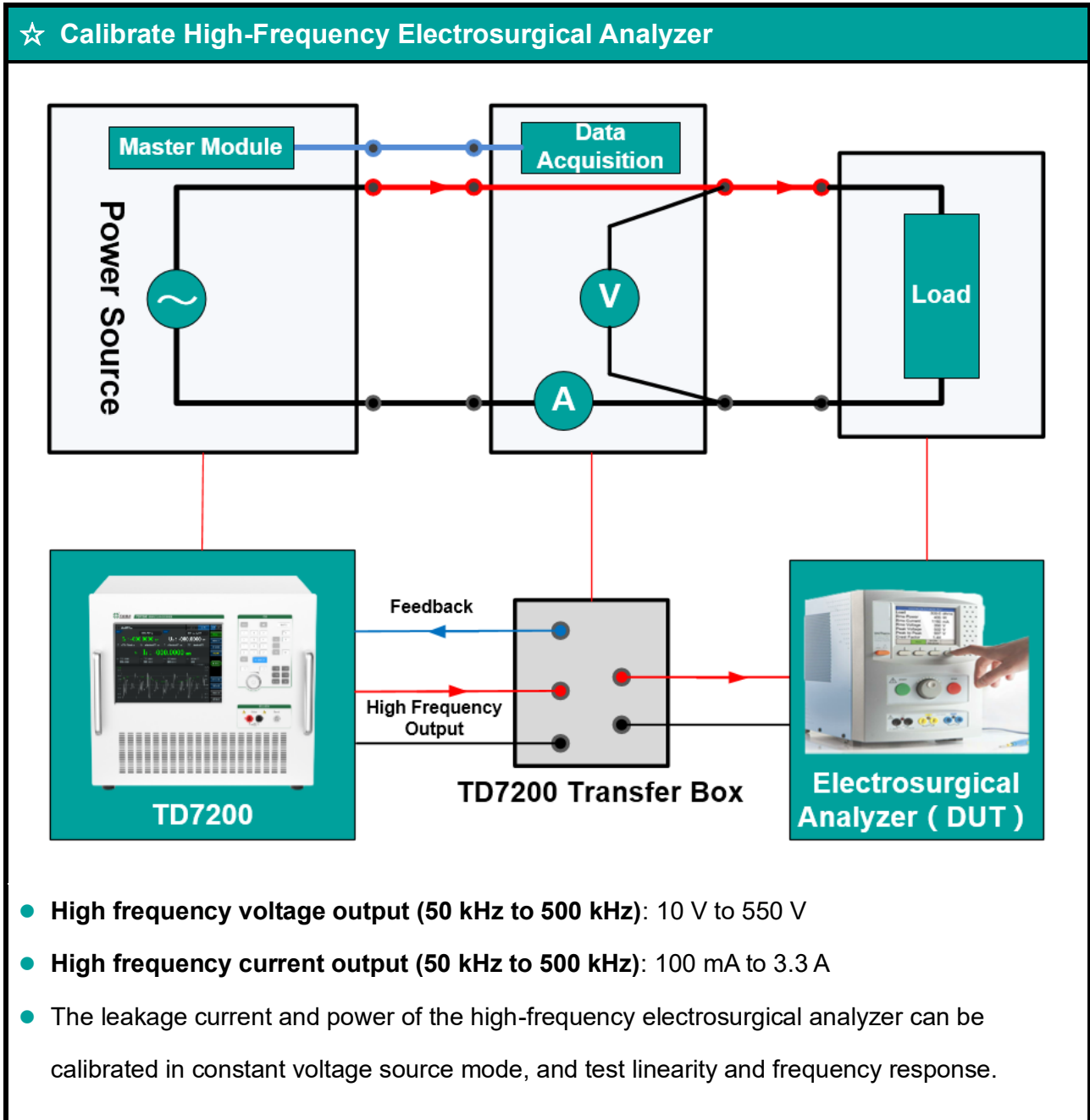
TD7200 is an instrument applied to calibrate commercial electrosurgical unit analyzers, which can simulate high-frequency electrosurgical generator to accurately output high-frequency voltage, current, power and other electrical parameters.

2. Features

- High frequency voltage output: 10 V to 550 V
- High frequency current output: 100 mA to 3.3 A
- Frequency: 50 kHz~1 MHz
- Display multiple electrical quantities such as voltage, current, and power at the same time.
- Integrated design of meter and source
- Good electrical protection and high reliability.
- LCD touch screen, with physical buttons
- Interface: RS232, USB, LAN.

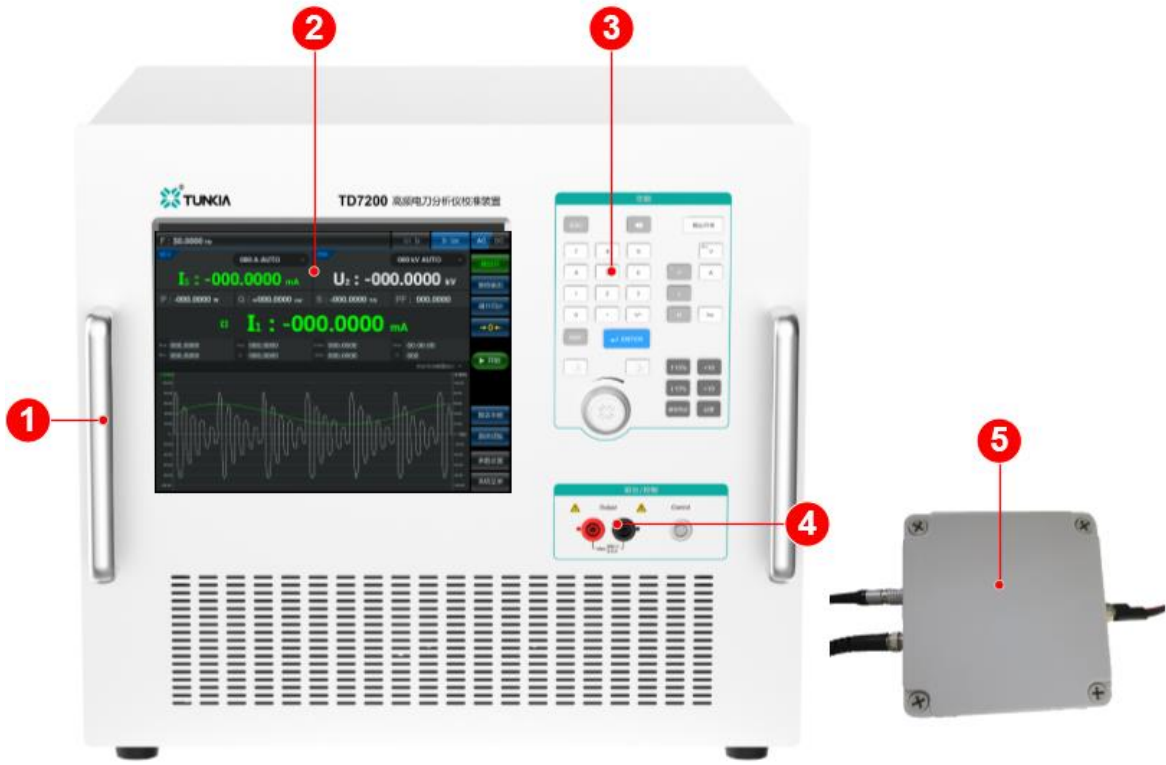
3. Applications

- Manufacturer of high-frequency electrosurgical equipment tester
- Metrological calibration department



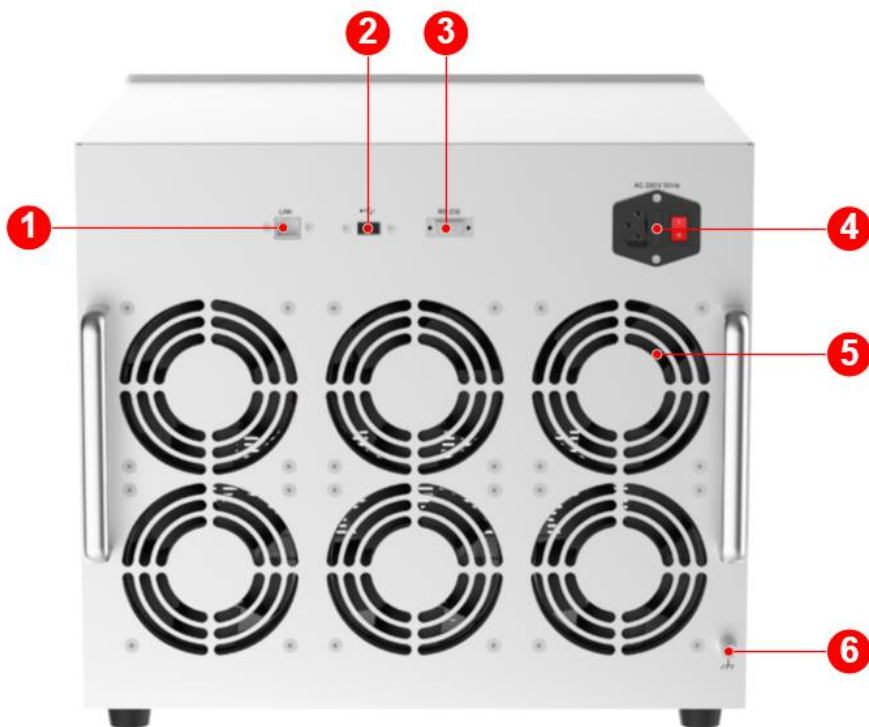
4. Instrument Appearance

☆
Front Panel



S/N	Function
1	Handle: convenient to carry the instrument.
2	LCD Touch Color Screen: intuitive display of multiple electrical parameters and full touch operation, greatly improving the ease of use of the instrument.
3	Button Operation Panel: a variety of value input/adjustment modes greatly improve the operational convenience of the instrument.
4	Output Terminals: including double banana jack output terminals and 10-core Remo feedback control terminals
5	Special Junction Box: used with the host during testing.

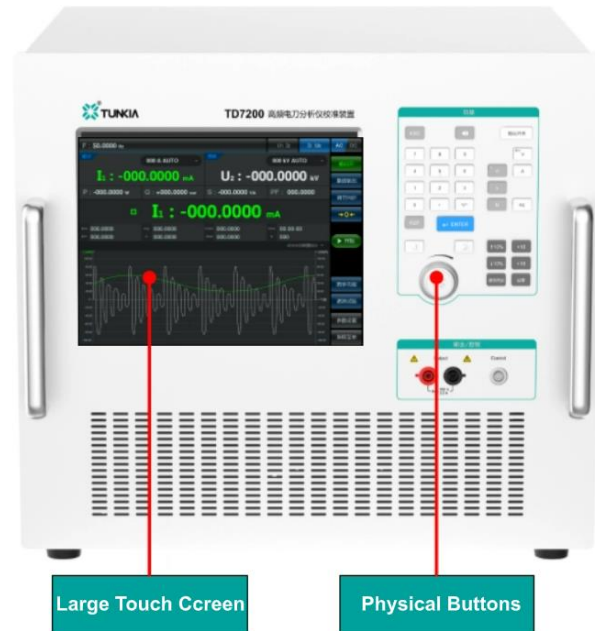
☆ Rear Panel



S/N	Function
1	LAN Interface: realizes communication with computer and establishes a fully automatic test system.
2	USB Interface: reserved, expandable data export function.
3	RS232 Communication Interface: realizes communication with computer and establishes a fully automatic test system.
4	Power Interface: AC 220V power input interface with switch and fuse
5	Fan Heat Dissipation Outlet: The fan heat dissipation outlet inside the device ensures the stable operation of internal components.
6	Chassis Ground: Before using the equipment, make sure that the chassis ground is reliably grounded.

5. Characteristics

☆ Ease of Operation

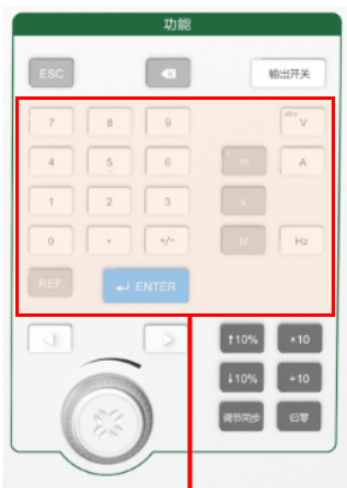


- **Large LCD Screen:** full color, high screen brightness, clear picture quality, supports touch operation, comprehensive functions, simple and fast.

- **Programmable buttons:** A variety of input methods such as fixed-point output, digital knobs, and step adjustment can be realized, and the operation is fast.

Advantage: This combined operation method effectively improves the convenience of operation to adapt to diverse application scenarios.

☆ Multiple Output Mode

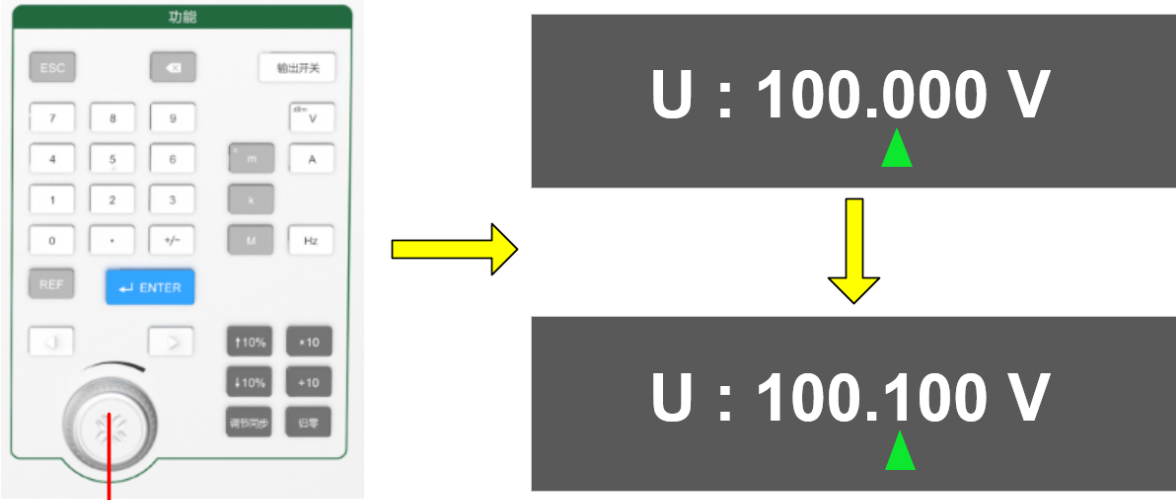


(a) Keypad



(b) Touch Screen Output

- **“Direct output”** mode, User can set output value by physical key or touch screen.



Rotary Knob

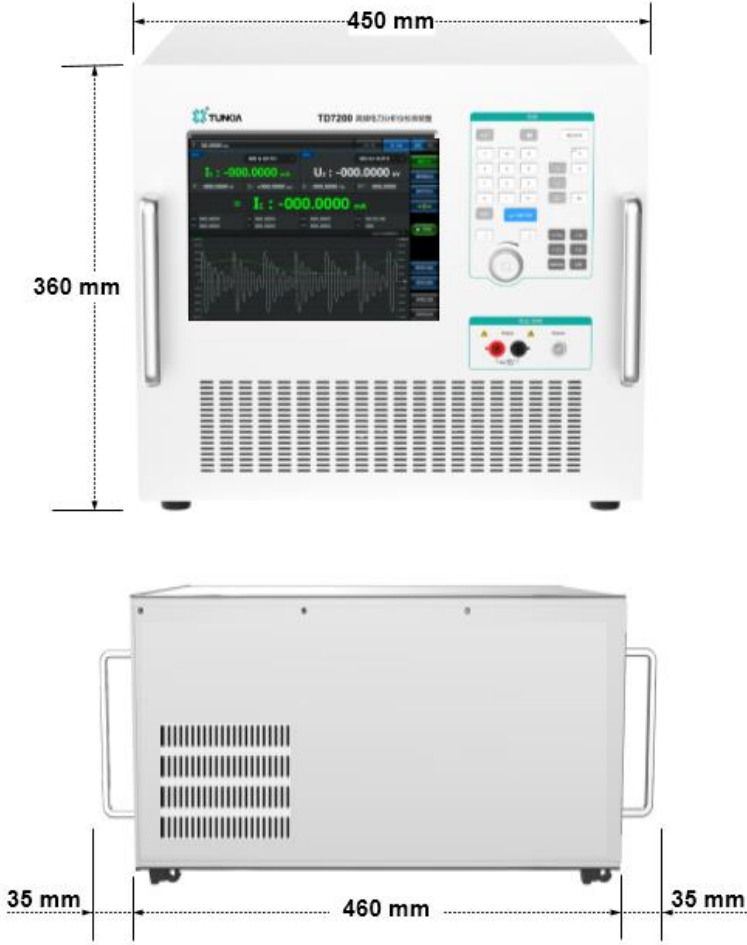
- “Rotary Knob” mode, User can setting in clockwise direction or anticlockwise direction.

6. Specifications







Test Items	Output Range	Accuracy	Frequency (Hz)	Max Load (Ω)
High Frequency Power Linearity	10 W~400 W	1%	300k~500k	200~500
High Frequency Power Frequency Response	100 W~400 W	1%	100k~1M	300
High Frequency Leakage Current Linearity	0~300 mA	0.5%	300k~500k	200
High Frequency Leakage Current Line Frequency Response	100 mA	0.5%	100k~1M	200
Vrms	>200 V	0.5%	300k~500k	200~500
Vpk	>200 V	5%	Loading at 300kHz~500kHz (1~2) MHz high frequency harmonic modulation	200~500

- Output range: 10 V to 550 V, 10 mA to 3.3 A
- Frequency range: 50 kHz~1 MHz

7. General Specifications

Power Supply	AC (220 ± 22) V, (50 ± 2) Hz
Warm-up Time	30 minutes
Maximum Power Consumption	2500 VA
Temperature Performance	Working temperature: 0°C~45°C; Storage temperature: -20°C~70°C
Humidity Performance	Working humidity: < 80% @ 30°C, < 70% @ 40°C, < 40% @ 50°C Storage humidity: (20%~80%) R·H, non-condensing
Altitude	< 3000 m
Weight	About 25 kg
Interface	RS232、USB、LAN
Dimensions	450 mm (W) × 460 mm (D) × 360 mm (H) (Excluding handles and feet)
	

8. Accessories List

S/N	Picture	Name	Specification	Quantity	Note
1		Special Junction Box	Wiring Adapter for DUT	1	Standard configuration
2		Test Leads	10-core Remo Bimetal plug	1	Standard configuration
3		Test Leads	4530_C-BNC Male-Double Banana Plug	1	Standard configuration
4		Test Leads	3957-BNC Male-Double Banana Plug	1	Standard configuration
5		Power Cable	AC 220V、10A	1	Standard configuration
6		Glass Fuse	F12A-250V	3	Standard configuration