

UP700/UP700B/UP700C/UP700D

**Ultrasonic Surgical & Electrosurgical
Energy Platform**

Operator's Manual



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- Release time: 2024-4
- Revision: 6.0
- Software Version: 02.xx.xx.xx

- A transducer (optional)

NOTE

- **Your product may not contain all of these components. For details about the availability of components, contact Mindray.**

2.5.1 UP700 Series Generator

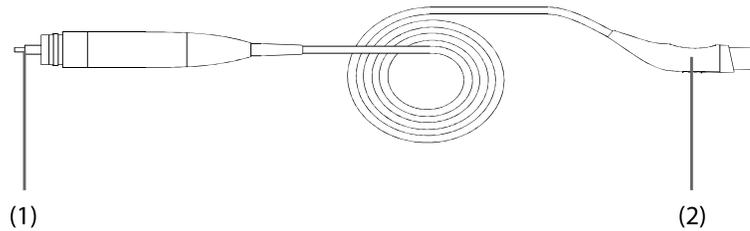
UP700 series generator supplies electrical energy for ultrasonic assembly and bipolar instruments.

2.5.1.1 Front View of the Generator



- (1) Ultrasonic socket (applied part): connects a transducer.
- (2) Power switch: turns on or off the generator.
- (3) Monopolar socket 1 (applied part): connects a monopolar instrument.
- (4) Touchscreen: displays equipment status and changes settings.
- (5) Return electrode socket: connects a return electrode.
- (6) Monopolar socket 2 (applied part): connects a monopolar instrument.
- (7) Split return electrode indicator: indicates the connection status of the split return electrode. When the indicator is green, the split return electrode is properly connected.
- (8) Non-split return electrode indicator: indicates the connection status of the non-split return electrode. When the indicator is green, the non-split return electrode is properly connected.
- (9) Bipolar socket (applied part): connects a bipolar instrument.

2.5.2 TD55/TD55T Transducer (Applied Part)



- (1) Connector for the ultrasonic surgical instrument
- (2) Connector for the generator

2.6 Indicator Lights on the Generator

Indicator Light	Position	Color	Description
Power indicator	On the power switch	Orange	The system is connected to power supply.
		Green	The power switch is pressed.
Socket indicators	On the instrument sockets	White	The instrument is connected but not activated.
		Yellow-green	The ultrasonic assembly is activated.
		Yellow	A cutting mode of HF instrument is activated.
		Blue	A coagulation mode of HF instrument is activated.
Return electrode indicators	On the right of the return electrode socket	Red	A failure occurs to the return electrode circuit.
		Green	The return electrode is correctly connected.

9.2 Ultrasonic Surgical Instruments

Model				Description
F14/P14 series	F23/P23 series	F36/P36 series	F45/P45 series	
FC-14	FC-23	FC-36	FC-45	Ultrasonic Surgical Instrument
FCH-14	FCH-23	FCH-36	FCH-45	
FOK-14	FOK-23	FOK-36	FOK-45	
FOM-14	FOM-23	FOM-36	FOM-45	
PC-14	PC-23	PC-36	PC-45	
PCH-14	PCH-23	PCH-36	PCH-45	
POK-14	POK-23	POK-36	POK-45	
POM-14	POM-23	POM-36	POM-45	
POS-14	POS-23	POS-36	POS-45	
PCT-14	PCT-23	PCT-36	PCT-45	
FOS-14	FOS-23	FOS-36	FOS-45	
FCT-14	FCT-23	FCT-36	FCT-45	
FO-14	FO-23	FO-36	FO-45	

9.3 Footswitches

Model	Description
FS-U	Footswitch for ultrasonic surgical instrument
FS-D	Double-pedal footswitch for HF instrument
FS-S	Single-pedal footswitch for HF instrument

9.4 Carts

Model	Description
CT-01	Cart (standard)
CT-02	Cart (available for smoke module)
CT-03	Cart (available for smoke module&pump)