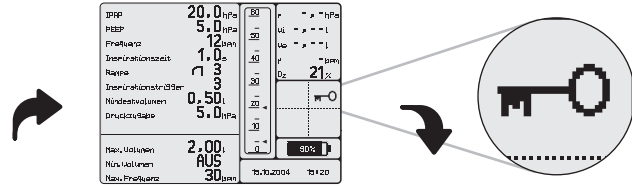
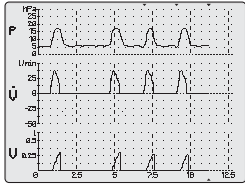


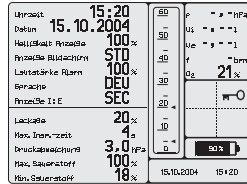
Standard Display



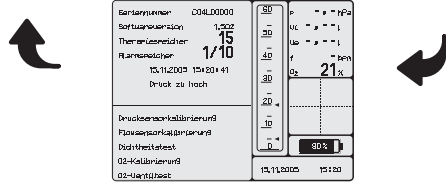
Real Time Monitoring



Extended Parameters



Service Display



Displays

- ▶ Change the display by pressing the MFK (13) > 1.5 sec. in the sequence: Standard Display - Display of Extended Parameters - Service Display - Real Time Monitoring
- ▶ If the safety lock is activated, the Service Display and Real Time Monitoring are not indicated
- ▶ Pressing the esc | mode key (12) brings the device back to the Standard Display immediately

Safety Lock

- ▶ An activated safety lock is indicated by a key in the symbol field
- ▶ Activation / deactivation of the safety lock by a long mode key press (> 1.5 s) and a following press on the MFK while the key symbol is flashing
- ▶ During activated safety lock all settings of parameters are disabled

Turning ON the device

- ▶ Switch on the device on the main switch (14)
- ▶ Confirm the O2-message by pressing the MFK (13)

Start of Ventilation

- ▶ Press the ON/OFF key (1)
- ▶ Pressure and other measured values are indicated

Stop of Ventilation

- ▶ Press the ON/OFF key (1)
- ▶ Confirm the message "Stop Ventilation" by pressing the control key for more than 3 seconds.

Turning OFF the device

- ▶ Ventilation has to be finished
- ▶ Turn OFF the device on the main switch
- ▶ After data saving the device turns OFF

Adjustment of Ventilation- and Alarm Parameters

- ▶ Select parameter by turning the MFK
- ▶ Confirm the selected parameter by pressing the MFK
- ▶ Change the parameter by turning the MFK
- ▶ Confirm the changed parameter by pressing the MFK

Reaction of the Device in Case of a Ventilation Alarm

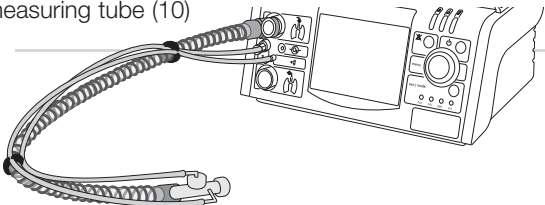
- ▶ In case of an ventilation alarm the LED's in the control key are flashing red and an acoustic signal occurs
- ▶ The acoustic signal can be reset for 2 minutes by pressing the control key; during that time the flashing of the LED's continues
- ▶ The alarm is active as long as the reason of the alarm is not corrected

Reaction of the Device in Case of a Technical Alarm

- ▶ In case of a technical alarm, the LED (5) flashes and an acoustic signal occurs
- ▶ Confirm the technical alarm "Battery Operation" by pressing the MFK. All other technical alarms must be reset by solving the alarm reason

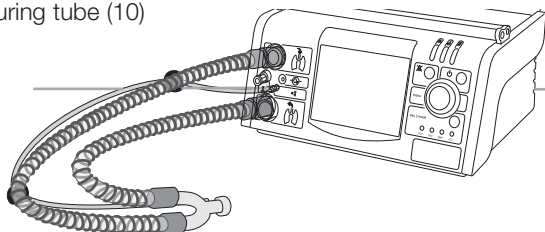
Single Line Patient Circuit

- ▶ Connect the therapy tube with the tube connector for inspiration (8)
- ▶ Connect the control tube for the expiration valve with the connector for the control tube (9)
- ▶ Connect the pressure measuring tube with the connector for the measuring tube (10)



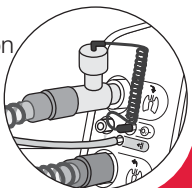
Double Line Patient Circuit (CARAT II only)

- ▶ Connect the inspiration part of the patient tube system with the tube connector for inspiration (8)
- ▶ Connect the expiration part of the patient tube system with the tube connector for expiration (11)
- ▶ Connect the pressure measuring tube with the connector for the measuring tube (10)



Connection of an O₂-Sensor

- ▶ Connect the O₂-Sensor between the inspiration part of the patient tube system and the device at the tube connector for inspiration (8)
- ▶ Connect the plug of the O₂-Sensor with the connector O₂-Sensor (7)



Functions of the Keys

Control element	Function	Actuation
ON/OFF key	Ventilation on	Press briefly
	Ventilation off	Press and hold (> 3 sec)
Alarm key	Mutes the alarm tone	Press briefly
	Mutes the alarm tone in case of a ventilation alarm	Press briefly
	Acknowledges the ventilation alarm	Press briefly
Multi functional key	Selects the parameters	Turn
	Activates the parameters	Press briefly
	Sets the parameters	Turn
	Confirms the parameter selection	Press briefly
	Confirms the changed parameter values	Press briefly
	Changes the screen display	Press and hold (>1,5 sec)
	Freeze the display Real Time Monitoring	Press briefly
esc mode key	Activates the ventilation mode menu	Press briefly
	Enables and disables the safety interlock	Press and hold
	Escape from chosen parameters/screens	Press briefly

HOFRICHTER

CARAT Short Manual

1. ON/OFF key
2. Alarm key
3. LED Internal Power Supply
4. LED External Power Supply
5. LED Alarm
6. Handle
7. Connector O₂-Sensor with sensor cable lock
8. Tube Connector for Inspiration
9. Connector Control Tube
10. Connector Measuring Tube
11. Tube Connector for Expiration (CARAT II only)
12. esc | mode key
13. Multi Functional Key (MFK)
14. Main Switch

