

USABILITY EVALUATION FORM

This document guides you through different tasks that are suitable to go through when performing a usability evaluation on the ventilator. The scenarios are based on the Primary Operating Functions indicated in ISO 80601 – 2- 12.

Tasks

What to do in each step

1. Perform a Pre-Use-Check (PUC)	1a. Follow instructions for Pre-Use-Check
2. Adjust ventilatory settings and alarm limits. Start ventilation.	2a. Adjust ventilator settings 2b. Adjust alarm limits 2c. Start ventilation
3. Find and perform different maneuvers / functions	3a. Inspiratory hold. 3b. Expiratory hold. 3c. Nebulization 3d. O ₂ boost 3e. Disconnect suction support
4. Confirm visibility of parameters from distance	4a. E.g. use distance view if available, stand in the doorway and look at the ventilator screen in the room
5. Adjust screen configuration e.g. Views, Scaling, Additional measured values	
6. Setting and managing / handling alarms	6a. Activate alarm, e.g. Battery alert. <i>Disconnect the power cord from the wall outlet.</i> 6b. Recognize battery alert. 6c. Clear alert. / Silence alarm.
7. Switching between different ventilation modes	7a. Switch modes 7b. Return to previous mode
8. Stop ventilation and go to Stand-by	

PSSUQ Questionnaire.

Rate each from 1 (strongly disagree) to 7 (strongly agree)

1.	Overall, I am satisfied with how easy it is to use this system.	
2.	I was able to complete the tasks and scenarios quickly using this system.	
3.	I felt comfortable using this system.	
4.	It was easy to learn to use this system.	
5.	I believe I could become effective quickly using this system.	
6.	The system gave error messages that clearly told me how to fix problems.	
7.	Whenever I made a mistake using the system, I could recover easily and quickly.	
8.	The information (e.g. online help, on-screen messages and other documentation) provided with this system was clear.	
9.	The organization of information on the system screens was clear.	
10.	I liked using the interface of this system.	
11.	Alarms are visible and easy to act on.	
12.	This system has all the functions and capabilities I expect it to have.	
Total score:		