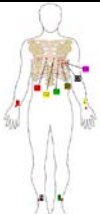

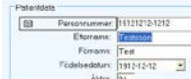
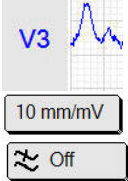






## Quick start guide Resting ECG

Icon	Key	Instruction
		1. Prepare the patient and connect all electrodes according to desired lead electrode placement. Check that the patient cable is connected to the acquisition unit.
	F2	2. Click on the icon for entering patient data.
		3. Enter the patient information in the dialogue box. If the PC is connected to a central storage system the information will be filled in automatically.
		4. Select desired leads, gain and filter settings.  Check the quality of the ECG signals.
	F3	5. Start an automatic sequence, e.g. AUTO 1.
		6. Verify that the quality of the analysed ECG is OK.
	F4	7. Print out the result if desired (when a printer is connected and if not automatically done in the AUTO sequence).
	F5	8. Review and save the analysed ECG on the local PC or in a central storage system. This could be included in the automatic sequence.
		9. Disconnect the patient.





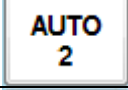







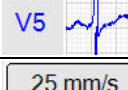
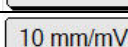


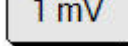
*The user should read the entire Operator's manual.*

# CARDIOLEX








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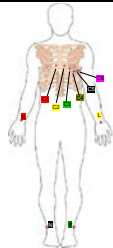










## Commands Resting ECG

Function	Icon	Menu item	Fn key	Comment
Enter patient data		<i>File → Patient Info</i>	F2	
Automatic sequence 1		<i>File → Auto 1</i>	F3	
Automatic sequence 2		<i>File → Auto 2</i>	F4	
Print out real time ECG		<i>File → Man Print</i>	F5	
Print out rhythm ECG		<i>File → Rhythm Print</i>	F6	
Stop print out		<i>File → Man Print/Rhythm Print</i>	F5, F6	The button is active if a printout has started
Examinations		<i>File → Examinations</i>	F7	
Settings		<i>File → Settings</i>	Ctrl+ Shift+Up	Configure the program
Exit this program		<i>File → Exit</i>		Click on X in the top right hand corner
Exercise Test		<i>File → Exercise Test</i>	F8	Only active if Exercise ECG option is installed
Start Long ECG			F9	Only active if Long ECG option is installed
Stop Long ECG			F9	
Leads		<i>View → Leads</i>		Click inside the leads area
Speed		<i>View → Speed</i>		
Gain		<i>View → Gain</i>		
Tremor filter		<i>View → Tremor Filter</i>	Ctrl + F	
mV-pulse		<i>View → Millivolt</i>	F10	
Patients		<i>Tools → Patients</i>		

## ECG report commands Resting ECG















Function	Icon	Menu item	Fn key
Edit patient information		<i>File → Patient Info</i>	F2
Print out default report		<i>File → Print</i>	F4
Change printout temporarily		<i>File → Print...</i>	
Change report temporarily		Right hand click inside the report for a pop-up menu	
Print the page that is on the screen		<i>→Print page</i>	
Print the report shown		<i>→Print sub report</i>	
Preview the report shown		<i>File → Print Preview</i>	Ctrl + W
Save examination		<i>File → Save</i>	F5
Exit and return to real time mode		<i>File → Real time</i>	F6
Open an examination		<i>File → Examinations</i>	F7
Configure the program		<i>File → Settings</i>	Ctrl+Shift+Up
Exit this program		<i>File → Exit</i>	

## Quick start guide Exercise ECG


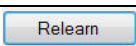
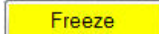



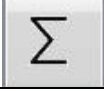
Icon	Key	Instruction	Patient
		1. Prepare the patient and connect the electrodes according to the desired lead electrode placement and connect the patient cable to the acquisition unit and <i>EC Sense</i> .	
	F2	2. Enter the patient information and verify with the patient that correct ID has been entered.	<i>Do resting ECG</i>
	F8	3. Start the exercise test.	
	Return	4. Select the protocol, start and target values that match the patient and start the pre-exercise phase.	<i>Take the BP Pre-exercise lying down</i>
	F8	5. Go to next stage in the pre-exercise phase and ask the patient to sit up (or stepping up on the treadmill).	<i>Take the BP Pre-exercise sitting up</i>
		6. Freeze the ECG when the complexes look representative.	
	F8	7. Start the exercise phase and ask the patient to start pedalling (or start walking).	<i>Take the BP Exercise phase</i>
	F8	8. Stop the exercise phase, enter reason for terminating exercise and ask the patient to rest.	<i>Take the BP Recovery phase</i>
	F8	9. Stop the exercise test, disconnect the patient and start reviewing and editing the final report.	<i>Take the BP</i>
	F4	10. Print out the final report.	
	F5	11. Store the examination.	

## Exercise ECG overview

The summary below shows the available functions in the exercise test mode.

Function	Icon	Menu item	Fn key	Comment
Patient Entry		<i>File → Patient Info</i>	F2	Cannot be changed when exercise test starts
Cancel Exercise test		<i>File → Exit</i>		X is only displayed in pre-exercise phase
Print a Status Report		<i>File → Status Report</i>	F4	
Real Time ECG on printer		<i>File → Man Print</i>	F5	
Rhythm ECG on printer		<i>File → Rhythm Print</i>	F6	
Print Latest Event/Arrhythmia			Alt+F4	Event/arrhythm. must have been detected
Print an ECG interval	Pop-up in rhythm	<i>Print from/to...</i>		Print from start marker to clicking point
Stop printing			F5/F6	The button is active if a printout has started
Start pre-exercise phase		<i>Actions → Next phase</i>	F8	F8 changes to next stage in pre-exercise
Start exercise phase and pedal		<i>Actions → Next phase</i>	F8	Exercise phase starts
Stop exercise test		<i>Actions → Next phase</i>	F8	Recovery phase starts
Change stage		<i>Actions → Next stage</i>	F7	
Hold same load in stage		<i>Actions → Hold stage</i>	F9	To return – F9 or Actions → Hold stage
Mark an event on ECG		<i>Actions → Mark event</i>	F10	
Enter trend data		<i>Actions → Enter measurements</i>	F11	

## EC Sense







Take the blood pressure and enter the BP values		Actions → Enter BP	F12	
Change protocol	20W/MIN	Actions → Change protocol		
Change load	20W/MIN	Actions → Change load		Only 20 W in exercise phase
Save a new reference complex		Actions → Relearn complex	Alt + R	Confirm with 
Select or deselect tremor filter		Actions → Tremor filter	Ctrl + F	
Change frequency of tremor filter		Actions → Tremor filter frequency		Select filter frequency from drop down list
Close pop-up window			ESC	
Change settings in Real Time ECG	Pop-up real time	View → Real Time ECG		Select settings in drop down list
Change settings in Rhythm ECG	Pop-up in rhythm	View → Rhythm ECG		Select settings in drop down list
Change trends in trend display	Pop-up in trends	View → Trends		Select trends in drop down list
Show complexes		View → Complex		
Show trend data				Displayed trends depend on Settings
Show ST in real time				
Show exercise summary				Can be edited in report mode
About EC Sense		Help		Shows software information

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## Exercise ECG report overview

Function	Icon	Menu item	Key	Comment
Print whole report		<i>File → Print</i>	F4	
Preview, change printer, report, pages		<i>File → Print...</i>		Temporary change in settings
Preview the report to be printed out		<i>File → Print Preview</i>	Ctrl+W	
Print a page of the current displayed report		<i>Print page</i>		The <i>Report</i> tab must be selected
Print the whole currently displayed report		<i>Print sub report</i>		
Print an interval in Rhythm ECG	Pop-up in rhythm	<i>Print from/to...</i>		Print from time reference to clicking point
Print an interval in Arrhythmia/Event	Pop-up in Arrhy/Event	<i>Print from/to...</i>		Print from time reference to clicking point
Change final report	Pop-up in report			Temporary change of report content
Change settings		<i>File → Settings</i>	Ctrl+Shift+Up	Configure the program
Save examination		<i>File → Save</i>	F5	
Open examination		<i>File → Examinations</i>	F7	
Exit and return to real time mode		<i>File → Real time</i>	F6	
Exit this program		<i>File → Exit</i>		