

# DECAPUS II

Decapus II is high-end vacuum system for application of ECG-electrodes. It is hygienic, easy to operate and saves time. The system has all the advantages usually associated with vacuum application but none of the disadvantages. The system uses flow-compensating sensor technique to make vacuum application on all kinds of skin/bodies; thin, hairy etc, possible. The signal module and its valve function prevent the electrodes to fall. There are six levels of vacuum that is selectable on a control panel. The level of vacuum is chosen dependant of the condition of the patient's skin and type of test. A sensitive skin demands a very low vacuum and a hairy patient doing a stress test demands a high vacuum. When special measurements are needed, the signal modules can be easily replaced with adhesive electrodes. Battery operation with an internal charging is available for Decapus II as an option. This means the device can be mobile.

Decapus II can be connected to the all mayor ECG-recorders either directly or through means of an adapter.

Decapus II and its arm can be attached to a trolley, on the wall or directly on a table.

Information of compatibilty and attachements can be recived from Quickels Systems AB, our sales partners or at our webpage [www.quickels.com](http://www.quickels.com).

Decapus II is the solution for the advanced user that needs to save time and have a good ergonometry. Example of users are rest ECG in a Emergency Ward or a Stress ECG in the cardiology department.



# TECHNICAL DATA DECAPUS II

<b>GENERAL</b>	
Type of instrument	Vacuum electrode applicator for 12-lead ECG
Safety	EN 60601-1:1990 + A1+A2+A12+A13 class 1, typ CF EN 60601-2-25:1995 + A1 (applicable parts)
EMC	EN60601-1-2:2001+A1
<b>OPERATING ENVIRONMENT</b>	
Ambient temperature	In use: +10° - +40° C; Storage -10° - +40° C
Relative humidity	25-95%, no condensation
Air pressure	700 - 1060 mbar
<b>PUMP MODULE</b>	
Mains voltage and frequency	10-240 V, 50 or 60 Hz
Power consumption	70 VA
Fuses	2 x T1AL / 250 V
Vacuum pressure	0 - 600 mbar
Positive pressure	0 - 600 mbar
Airflow	0 - 18 litres/min
Dimensions	Height 100 mm, length 184 mm (with battery 284 mm), width 201 mm
Weight	3.8 kg approx. (with batt.6.0 kg)
<b>PATIENT MODULE</b>	
Defibrillation protector	4700 ohm with excess voltage protector
Preset suction levels	80, 100, 120, 160, 200, 240 mbar
Dimensions	Height 30 mm, length 110 mm, width 135 mm
<b>SYSTEM CABLES</b>	
Recorder cable	2,5 m
Contact printer	15 pin D-sub with either screw connector or Lateral grip connector
Control cable	Standard D-sub, 15 pin HD-sub, 2.5 m
Hose	2,5 m
<b>SIGNAL CABLE</b>	
Length	Extremities: 1.2m; Chest: 1.0m
Tensile strength	Min. 50 N
<b>ELECTRODES</b>	
Materials	Ag/AgCl. Complies with AAMI recommendations
<b>BATTERY</b>	
Battery pack (optional extra)	24 V (2x12V) rechargeable, lead, capacity 2.1 Ah
Working life	1000 charge cycles approx
Charge	Constant voltage/current method. Charging time 4 hours
<b>SIGNAL IN- AND OUTPUTS</b>	
Communication 1	HD-SUB 15-pole for patient module (not insulated)
<b>ARM</b>	
Length of folding arm	570/650 mm
<b>TABLE ATTACHMENT</b>	
Table thickness 10-130 mm.	
<b>MISCELLANEOUS</b>	
Materials	The materials in the Quickels electrodes, signal modules and signal cables do not contain latex which could cause problems for susceptible individuals

We reserve the right to make changes without prior notice.

Artnr:

QN040 S (15 d-sub screw connection)

QN040 SB (15 d-sub screw connection + battery option)

QN040 L (15 d-sub lateral-grip connection)

QN040 LB (15 d-sub lateral-grip connection + battery option)

Description and article nr for accessories and spare parts at [www.quickels.com](http://www.quickels.com)