

ECG vacuum

handy vaq

The compact all-in-one solution

INNO-
VATION

10
lead

Device 1:1

Tolmed

excellent
price-
performance
ratio

Stationary or
mobile use

Simple to operate
and clean

Compact and easy
to service

Very good dissipation
quality

handy vaq is impressive in practical tests:

» *Great suction power, also with
hirsute people. Very good ECG
quality, easy to operate, quiet.
An all-round impressive device!"*

The small, powerful, ECG suction unit
Although it's very compact, **handy vaq**
provides a convincing range of functi-
ons. The handy-sized suction unit is
easy and convenient to operate using
only three keys with five settings for
the suction power.

Various fastenings provide the **handy
vaq** with a broad range of applica-
tions. The entire **handy vaq** unit can be steri-
lised and is also easy to clean with
the blow-out function.

handy vaq

Easy to use. Small. Powerful.

The *handy vaq* is probably the smallest ECG suction device on the market. The quiet, high-performance and maintenance-free pump is integrated directly into the compact control housing. The light device can be held securely in one hand owing to the side anti-slip inserts.



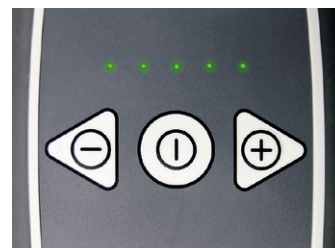
Reduced to just a few components, *handy vaq* is particularly easy to service. If necessary, the sturdy plug-in components can be exchanged quickly and inexpensively. *handy vaq* is the user-friendly, flexible all-in-one solution that will facilitate your work and you will be impressed by its excellent price-performance ratio.

The powerful features of the *handy vaq* are impressive



Compact all-in-one solution

handy vaq is only palm-sized. The powerful, but quiet pump is integrated in the compact, anti-slip housing.



Very simple to operate

The device is operated by using only three keys. LED displays the status. The vacuum power can be adjusted in five settings ranging from 100 to 250 mbar.



Excellent signal quality

handy vaq has very good signal quality for 10 leads.



Simply hygienic

There is a blow-out function on the *handy vaq* to blow out moisture and impurities.



Universal use

handy vaq can be used flexibly.



Electrode cables

The cable assemblies have silver/silver chloride electrodes with soft silicon suction domes.



Easy to service

A few maintenance-free components with plug connections permit easy and therefore low-cost servicing. The patient cables can be replaced individually.



Comprehensive user guide

A comprehensive user guide with operating instructions, safety information and practical tips is supplied with the *handy vaq* suction unit.

Technical data



handy vaq module

Dimensions	78 × 117 × 27 mm (without cables)
Weight	950 g, with cable assembly
Power supply	MeanWell GEM12i05 network component (80-264 VAC, 12W)
Environmental conditions	
Ambient temperature	10 – 40 °C
Relative humidity	20 – 95 % (not condensing)
Air pressure	700 – 1,050 mbar
Partial vacuum	max. 250 mbar
5 partial vacuum settings	100, 130, 170, 210, 250 mbar
Volume	2.6 l/min
ECG connection	15-pol. D-Sub, 2 m long

Patient cables

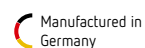
Chest 6 pieces	1.1 m (length of cable assembly)
Extremities 4 pieces	1.3 m (length of cable assembly)
Electrodes	Ag/AgCl, cup material silicone

Safety standards

Safety standard	IEC/EN 60601-1
EMC	IEC/EN 60601-1-2
Classification	Class I in accordance with Directive 93/42/EEC
Protection	This device is not designed for outdoor use (IPX0)

Scope of delivery

Standard	Suction/control unit, 2 m connection cable (USB/15-pol D-Sub), 10-lead patient cable (standard length 1.1-1.3 m), USB network adapter, cable spacer, removal tool
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Pat. pending

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