



**BIONIT LABS<sup>®</sup>**

TURNING DISABILITIES INTO NEW POSSIBILITIES

EN

# MYO UNIT



**MYO UNIT**

Mod. MU01

**DATASHEET**

<b>COMMERCIAL NAME</b>	Myo Unit	
<b>REF</b>	MU01	
<b>INTENDED USE</b>	<p>Accessory of the Adam's Hand® medical device, intended for use by the Orthopedic Technician and used for:</p> <ul style="list-style-type: none"> <li>• the qualitative visualization of surface EMG signals, generated following the voluntary contraction of the forearm muscles and recorded via one or more electrodes.</li> <li>• evaluate the quality of the EMG signals and determine the optimal position of the EMG electrodes for the control of a myoelectric prosthesis under construction or modification.</li> </ul>	
<b>TECHNICAL FEATURES</b>	<b>COMPATIBILITY</b>	
	Consult the chart on p. 3, containing the list of electrodes compatible with Myo Unit.	
	<b>PRODUCT DATA</b>	
	Dimensions	(88 x 82 x 112) mm
	Screen dimensions	3.5"
	Weight	170 g (6 oz)
	Expected lifetime	5 years
	Warranty	1 year
	<b>ELECTRICAL AND MECHANICAL FEATURES</b>	
	Supply voltage	5 V
	Max. supply current	2 A
	Electrode power supply	7.4 V - 50 mA
	Battery technology	1 li-ion cells
	Battery capacity	2000 mAh
	Charging connector	USB Type-C
	Degree of protection against liquid and solid particles penetration (IEC 60529)	N/A
	<b>OPERATING CONDITIONS</b>	
Usage temperature (discharge phase)	from -10 °C/+14 °F to + 60 °C/+140 °F	
Operating temperature (charge phase)	from +5 °C/ +41 °F to + 45 °C/ +113 °F	
Storage and transport temperature	from -10 °C/+14 °F to + 35 °C/+95 °F	
Relative humidity of use/storage/transport	≤ 60 % ± 25%	

**DETAIL OF CONNECTIONS AND BUTTONS**

The Orthopedic Technician connects one or more electrodes to the "Myo Unit" device via the appropriate wiring and displays the EMG signal on the device screen and/or via "Myo Logic Pro", an app for iPad® with iOS® operating system dedicated to the Orthopedic Technician or to the Authorized Distributor. In fact, the "Myo Unit" device integrates a 3.5 " screen (320 x 480 Resolution, RGB 65K true to life colours, TFT Screened) and a Bluetooth Low Energy® transmission module, to allow short-range communication with devices on which the "MyoLogic Pro" app is installed.

The device has two buttons:

- on / off button
- button that allows you to select between the two input modes: digital electrodes or analog electrodes.

By rotating the device horizontally, you switch from the bar display of the EMG signal to that with a two-axis graph.




<b>TESTS</b>	Each medical device is tested before the shipment, in accordance with company procedures. The reference standards are affixed on the declaration of conformity attached to the device.
<b>TECHNICAL REGULATIONS</b>	IEC 60601-1, IEC 60601-1-2, IEC 62304, IEC 62366 IEC 62133-2:2017 ISO 22523 RED ETSI 300 328
<b>LABELLING</b>	Labelling in accordance with UNI EN ISO 15223-1, IEC 60601-1; copy of the label is present in the Technical Manual and User Manual.
<b>DISPOSAL INSTRUCTIONS</b>	 <p>This medical device must be managed in accordance with art. 13 - Legislative Decree 25 July 2005, n. 151 "Implementation of directives 2002/95/CE, 2002/96/CE and 2003/108/CE, relating to the reduction of the use of dangerous substances in electrical and electronic equipment, as well as waste disposal".</p>

Chart 1: Electrodes compatible with the Myo Unit device mod. MU01.

Manufacturer	Product	Type	Model / Part Number
BionIT Labs® S.r.l.	Wave Electrode	Analog electrode	AE02-50 / AE02-60
Otto Bock HealthCare GmbH	MyoBock® Electrode	Analog electrode	13E200=50 / =60
Otto Bock HealthCare GmbH	Suction Socket Electrode	Analog electrode	13E202=50 / =60
Össur	Compact Electrode Kit	Analog electrode	PL091-XXX
Steeper Group	Electrode	Analog electrode	ELEC50 / ELEC60
COVVI Ltd.	Electrode	Analog electrode	CEL-50 / CEL-60

## Manufacturer's contacts

For any information, request or complaint, please contact:



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### Certified Company





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