



OT Bioelettronica offers five dry bracelets for surface electromyographic acquisitions. The electrode bracelets are present in 3 different formats with different inter-electrode distance (IED): one model with 32 electrodes (with or without ground), one model with 64 electrodes (with or without ground) and one longer model (without ground) for the leg. The electrode bracelet must be placed in contact with the skin according to ISO 10993-1.

Materials

Material information

Supporting material	Kapton and FR4
Sensor	Cu + chemical gilding + gold-plated electrodes
Connector	Kapton with gold contacts
Cover	Neoprene

Packaging

Product packaging	Paper/PE
-------------------	----------

Health

Biocompatibility

Latex	No
Phthalates	No
CE Marking	MDR 2017/745
RoHS	In compliance

Technical Features

Number of grid models	5
Generic Code	HDXXMMXXYYB / HDXXMMXXYYBG / HDXXMMXXYYBL

Models

OT0288	HD20MM1602B	32 electrodes with IED 20mm, 2 rows x 16 cols
OT0328	HD20MM1602BG	32 electrodes with IED 20mm, 2 rows x 16 cols + ground
OT0301	HD15MM1604B	64 electrodes with IED 15mm, 4 rows x 16 cols
OT0335	HD15MM1804BG	64 electrodes with IED 15mm, 4 rows x 18 cols + ground
OT0340	HD15MM1604BL	64 electrodes with IED 15mm, 4 rows x 16 cols for leg

Connector	Zif
Electrodes thickness	1,5 mm

Sizes

HD20MM1602B / HD20MM1602BG	18 cm, 19cm, 21cm, 23cm, 25cm, 27cm, 29cm and 31cm (each one extendable by approximately +5cm)
HD15MM1604B / HD15MM1804BG	18 cm, 19cm, 21cm, 23cm, 25cm, 27cm, 29cm and 31cm (each one extendable by approximately +5cm)
HD15MM1604BL	41 cm

Electrical characteristics

Electrode-skin impedance range	10-200 kohm
--------------------------------	-------------

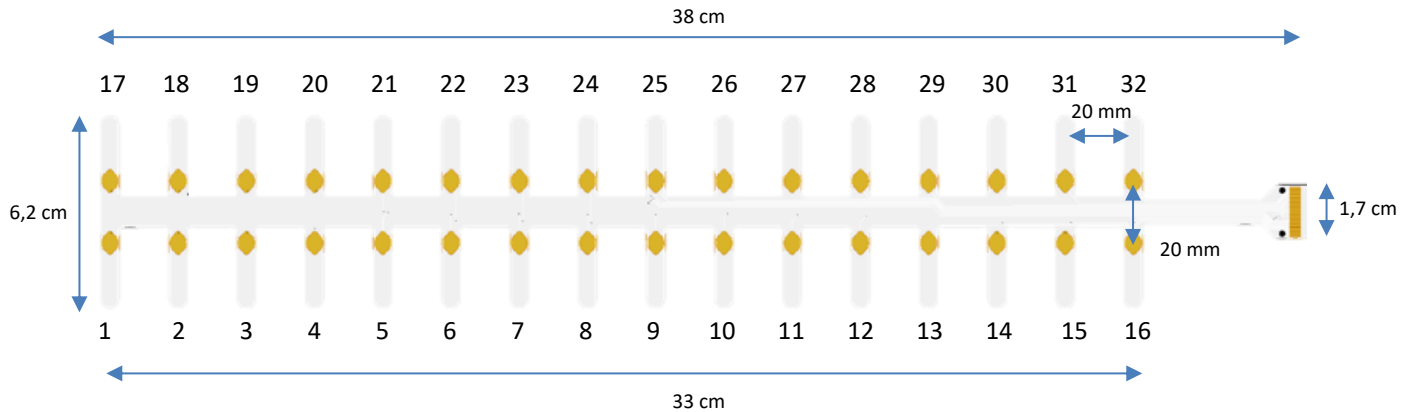
Sensing area

The sensing area determining the electrode-skin impedance is the gold-plated electrode.

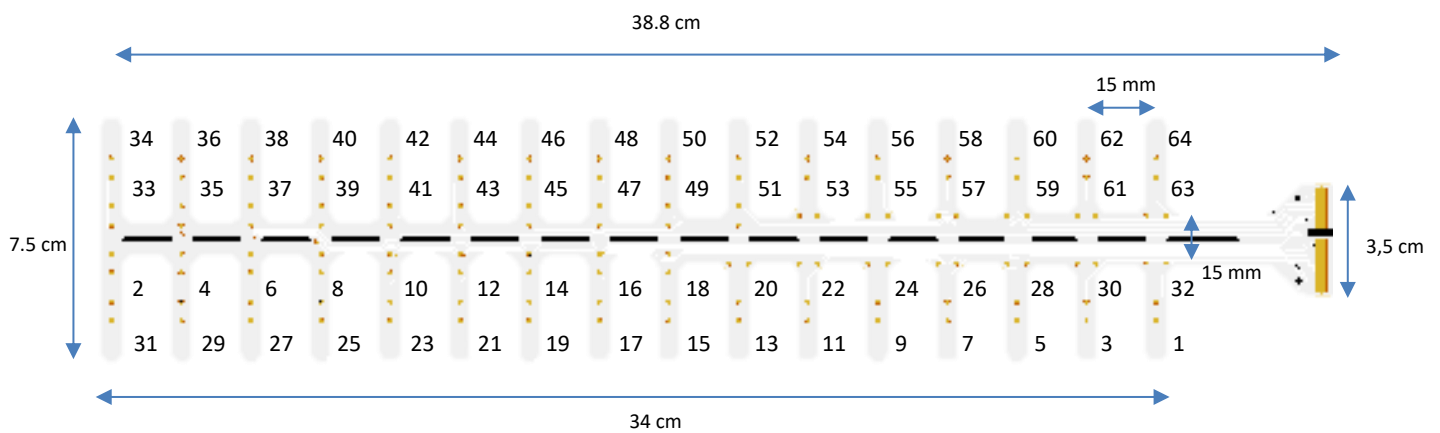
Instructions

Choose a size at least 3-5cm smaller than the limb circumference so that the electrodes perfectly adhere to the skin.

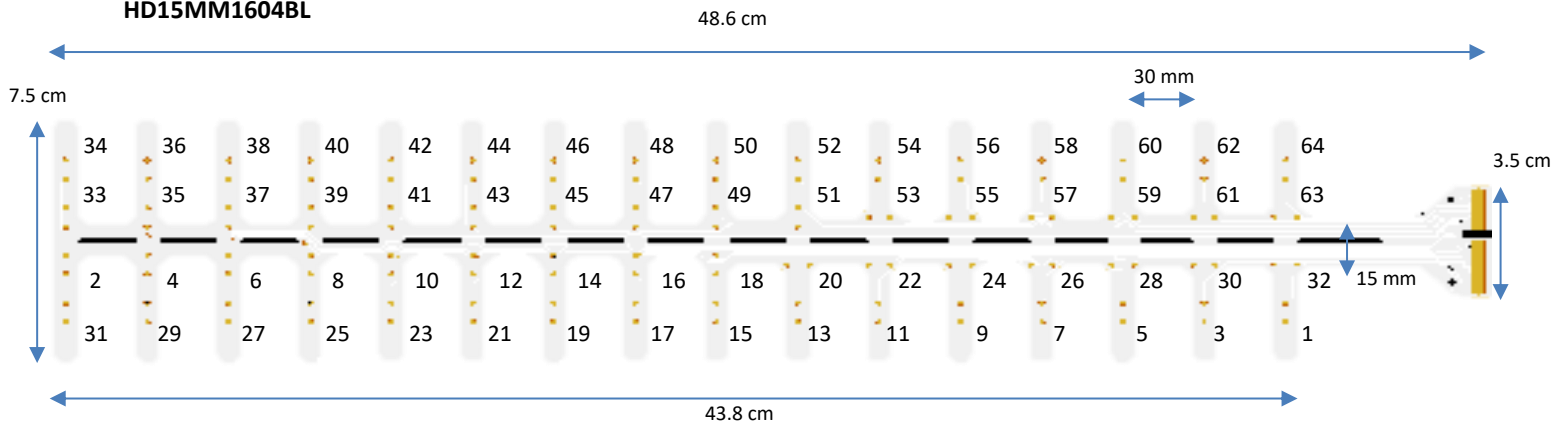
HD20MM1602B



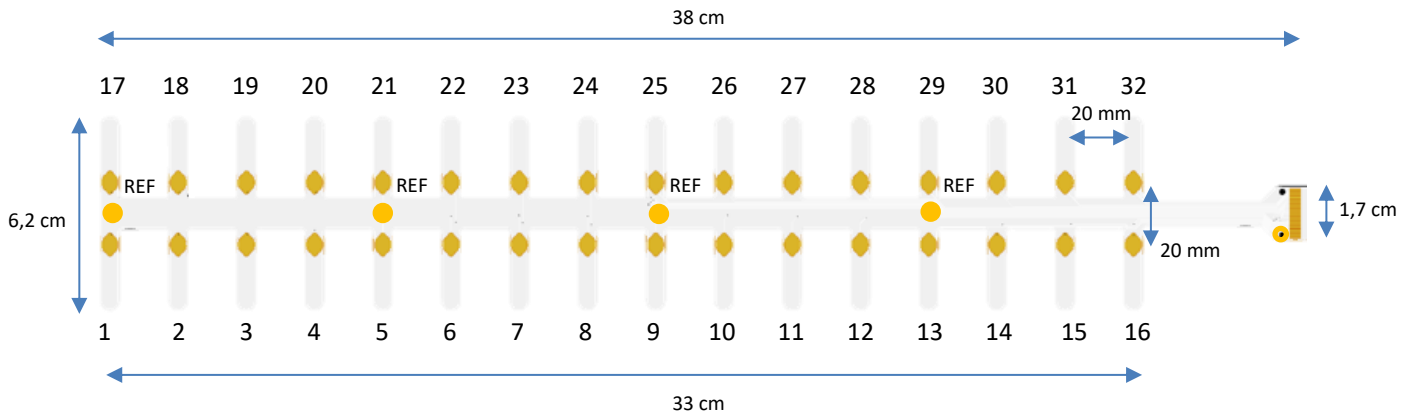
HD15MM1604B



HD15MM1604BL



HD20MM1602BG



HD15MM1804BG

