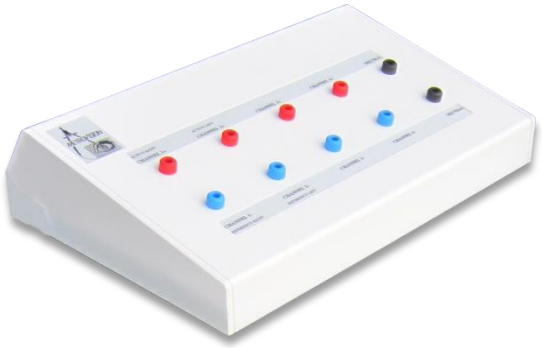
Vision Monitor

Bioelectric amplifiers



These high performances, ultra-low noise amplifiers are specifically designed for visual electrophysiology applications such as:

- VEP
- ERG
- EOG

The amplifiers include controls for electrode impedance and for calibration.

The amplifiers are designed to be placed close to the patient so as to minimize risks of interference.

They are supplied with a small table with an adjustable height

Input dynamic	- 3.2 mV to + 3.2 mV
Admissible input DC offset	- 1200 mV to +1200 mV (electrode polarization)
Input impedance	1000 GOhms // 220 pF
Electronic noise level	from 1 to 25 Hz: 0.5 µV peak-peak from 1 to 800 Hz: 2.6 µV peak-peak
Common mode rejection ratio at 50 Hz	115 dB
Automated test of electrode impedance	by application of a current of 20 nA with a 25 Hz modulation (because of the low current intensity, the test can be used even with contact lens electrodes, without risk for the patient).
Test of calibration	by injection of an input signal of calibrated amplitude.
High pass filter	programmable from 0.1 Hz up to 100 Hz
Low pass filter	programmable from 25 Hz up to 1200 Hz
Band reject filter	programmable at 50 Hz or 60 Hz

CE 0120

Manufactured by Metrovision under ISO13485:2003 certified quality system

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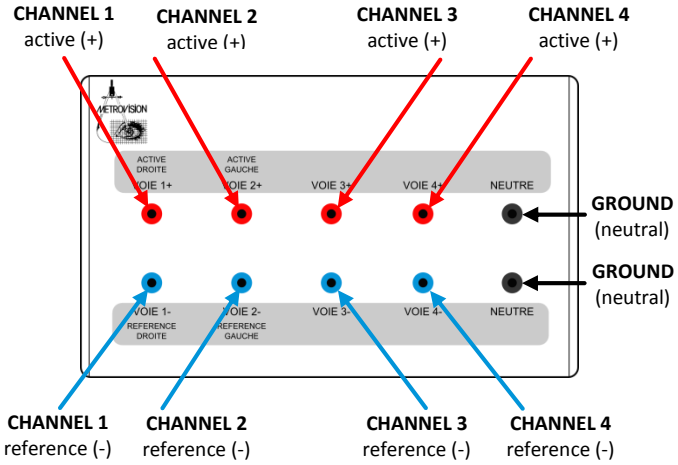
Dimensions

Inputs



Electrical specification

Length of cable to control module	3 m
Diameter of electrode plugs (safety plugs in compliance with norm IEC 60601-1)	2 mm

Options

2 input channels	Reference HVM-AM2
4 input channels	Reference HVM-AM4
5 input channels	Reference HVM-AM5

Weight

1.5 kg (without table)

WARNING

The apparatus is of the BF type, with an electrically floating applied part.

The neutral electrode input MUST NOT be connected to the earth plug.

The equipment includes safety input connectors for electrodes which are designed to avoid contact with other electrical conductors and earth.

Norm IEC 60601-1 does not allow the use of another type of connector.

Installation and servicing must be performed by qualified and properly trained personnel.

This apparatus is not explosion-proof. Do not use in the presence of flammable anesthetics

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