



Synapsys MED4

Electronic USB Rotary Chair

DESCRIPTION

Synapsys MED4 Rotary Chair USB is designed to complete VNG test with the rotation kinetic tests. Kinetic tests are used to analyse nystagmus induced by rotational stimulus applied to the vestibular system (with or without visual reference). The MED4 system allows to perform profiles of kinetic stimulation.

DEVICE FEATURES

- Predefined kinetic profiles available in VNG software:
 - Sinusoidal Harmonic Acceleration from 0.04 Hz to 0.64Hz
 - Step Velocity 80°/s
 - BURST stimulation
 - Sinusoidal stimulation with decreasing period
 - Sinusoidal stimulation with decreasing amplitude
 - Back and forth 'Square' stimulation
- Adjustable and reclining chair
- Adjustable and removable headrest
- Equipped with safety belt

MAXIMUM KINETIC VALUES

Maximum speed: 200°/s
 Maximum acceleration: 100°/s²

COMPUTER INTERFACE

Connection: through USB port
 USB cable length: 4.5 m / 177.1 in.
 Power supply box cable length: 5 m / 196.8 in.

ELECTRICAL SPECIFICATIONS

Powered through power supply box:

- Through power cord or permanent installation
- Power supply: 230 V / 50 Hz or 115 V / 60 Hz
- Power input: 1450 VA (230 V) or 725 VA (115 V)
- Power output: 1390 VA (230 V) or 665 VA (115 V)
- Emergency stop button
- Brake release button

Consumption: 625 VA

MECHANICS

Reclining range: 90°(vertical) - 0° (flat) with 10° indication label
 Dimensions (WxDxH):

- Vertical backrest: 90 x 70 x 144 cm / 35.4 x 27.5 x 56.7 in.
- Flat backrest: 190 x 70 x 90 cm / 74.8 x 27.5 x 35.4 in.

Weight:

- Pedestal: 99 kg / 218.2 lb.
- Saddlery: 42 kg / 92.6 lb.

Maximum load on the axis: 172 kg / 379.2 lb. (saddlery+ patient)

COMPATIBLE DEVICES

- Wired VNS3X camera with GBX USB video converter
- Wireless camera WNS

REQUIRED SOFTWARE

Compatible software:

- Synapsys VNG

APPLICABLE STANDARDS

Electrical safety: IEC 60601-1
 EMC: IEC 60601-1-2
 Biocompatibility: ISO 10993-1
 Risk management: EN ISO 14971/A11, ISO TR 24971
 Usability: IEC 62366-1, IEC 60601-1-6
 Processing: ISO 17664-2

INCLUDED PARTS

- MED4 saddlery and pedestal
- Power supply box with cable to MED4 chair
- USB isolator cable
- CAM3X analog camera for MED4
- GBX USB video converter
- Goggles Flex
- Occluder for goggles Flex
- Kinetic module for Synapsys VNG
- MED4 User manual
- VNS3X User manual

MDR CLASSIFICATION

Class IIa (Classification rule: 10, (Annex VIII, MDR 2017/745))
 Notified body: TÜV SÜD Product Service GmbH (0123)

PRODUCT CODES

10910 – Synapsys MED4 chair kit

DISPOSABLES AND CONSUMABLES

10886: Disposable goggles kit (goggles + 5 sets of disposable foam cushions)

10887: 5 sets of disposable foam cushions (foam alone without goggles)

Synapsys MED4 is manufactured by:

INVENTIS S.r.l.

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