



SYNAPSYS SPS

STABILOMETRIC PLATFORM

DESCRIPTION

The Synapsys Stabilometric Posturography System (SPS) is designed to objectively quantify the patient's static and dynamic balance and to assess somatosensory, visual and vestibular inputs roles in his balance strategy.

Synapsys SPS is available in 2 models: **Static SPS** and **Dynamic SPS**.

TECHNICAL SPECIFICATIONS

- SPS Static Platform:

- **Sensors:** 3 strain gauge type sensors
- **3 preamplifier/amplifier boards**
- **Weight:** 10,60 Kg
- **Size:** 50 cm × 50 cm
- **Power supply:** 230 V
- **Medical device (Directive 93/42/EEC):** Class Im
- **Standard:** EN 60601-1 / EN 60601-1-2

- SPS Dynamic Platform:

- **Maximal motion:** 8 cm
- **Maximal speed:** 0,1 m/s
- **Weight:** 21,75 Kg
- **Size:** 50 cm × 50 cm × 13 cm
- **Power supply:** 230 V
- **Proprioceptive confounding system:** unstable wooden platform or foam cushion
- **Wooden step:** size 135 cm × 110 cm
- **Safety surrounding bar**
- **Medical device (Directive 93/42/EEC):** Class IIa
- **Standard:** EN 60601-1 / EN 60601-1-2

AVAILABLE TESTS	Model	
	Static SPS	Dynamic SPS
Sensory Organization Test (SOT)	✓	✓
Vestibular stimulation assessment	✓	✓
Romberg Test	✓	✓
Fall risk assessment		✓

INCLUDED PARTS		
Static platform	✓	✓
Foam Cushion	✓	✓
Unstable wooden platform		✓
Remote controller	✓	✓
USB acquisition box	✓	✓
Dynamic motor-driven platform		✓
Safety surrounding bar including wooden step		✓
Feet positioner		✓
Software and User manual	✓	✓

OPTIONAL PARTS (for Static SPS)

- Wooden unstable platform
- Safety surrounding bar including wooden step

SOFTWARE

- **Patient manager:** Dedicated database
- **2 working modes:** "Evaluation" and "Rehabilitation"
- **Rehabilitation:** 4 groups: Stabilization, Weight shift, Weight bearing and Postural control, visual and sound feedback, Evaluation of progress among series of rehabilitation
- **Stimulation:**
 - **Visual:** 2D and 3D (optokinetic, saccade, smooth pursuit, tunnel, maze, pool table, dart, text display...)
 - **Somesthetic:** For both models: foam, unstable platform. For Dynamic SPS only: horizontal translations, sinusoidal movements or customized stimulations,
 - **Vestibular:** head movements
- **Available results:**
 - **Reference values:** For both models: StatoKinesioGram (SKG) area, Mean AP and ML, Amplitude, deviation, FFT energy, Romberg quotient. For Dynamic SPS only: recovery time, gain, phase lag

- **Reference scores:** somesthetic, visual, vestibular, global, preferential (for Dynamic SPS only)
- **Graphics:** SKG, Stabilogram, Fourier, transform, limits of stability

MINIMUM SYSTEM REQUIREMENTS

- Operative System: Windows 7, 8 or 10
- Processor: Intel I5-3xxx (3rd generation)
- Free space on hard disk: 300 Gb
- RAM: 4 Gb
- Video outputs: 2 (Dual View mode)
- Video projector
- USB port

PRODUCT CODES

10626: Synapsys SPS Static posturography platform- SY.SPSDUAL

10627: Synapsys SPS Dynamic posturography platform- SY.SPS_TRANS

OPTIONAL ACCESSORIES

11732: Wooden/Unstable Platform for SPS – SY.SPS_BESSOU (included in SPS Dynamic)

11733: Security Bars– SY.SUPPORT_SPS + TO.HOUSSE_SPS (included in SPS Dynamic)

11734: SPS Feet positioner - SY.SPS_FEETFIX (included in SPS Dynamic)

MANUFACTURER

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