

ՆԿԱՐԱԳԻՐ

առաջարկվող ապրանքի ամբողջական

Techno House-ն ԲՏԱՆ-ԷԱՃԱՊՁԲ-2025/14 ծածկագրով կազմակերպված Էլեկտրոնային աճուրդին մասնակցելու շրջանակում
Ներկայացնում է իր կողմից առաջարկվող ապրանքի ամբողջական նկարագիրը

Չափաբաժնի համար	Առաջարկվող ապրանքի
	տեխնիկական բնութագիրը
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ПОЛНОЕ ОПИСАНИЕ

предлагаемого товара

Techno House в качестве участника в рамках участия в электронном аукционе под кодом **FSUL-LUQU7QF-2025/14** ниже представляет полное описание предлагаемого им товара.

Номер лота	Предлагаемый товар
	технические характеристики
1	INTERFACE - USB DIGITAL INPUTS - 2 × 8 digital trigger inputs, 1 × HOLD INPUT (for artifact suppression) POWER SUPPLY - 5 V DC, medical-grade mains power supply SENSITIVITY - 857 nV NOISE LEVEL - <0.5 µV RMS (1-30 Hz) AMPLIFIER TYPE - True DC coupling 128 × ADC - 24-bit. Internal digitization: 38.4 kHz per channel DAC - Calibration signal INPUT CHANNELS - 128 monopolar / 64 bipolar (per device, software-selectable) INPUT IMPEDANCE - >1000 GΩ // 220 pF INPUT CONNECTIONS - Standard safety connectors for passive electrodes, 2-pin connectors for active electrodes APPLIED PART TYPE - CF SAFETY CLASS - II CERTIFICATION & STANDARDS - FDA approved and CE-certified medical device, compliant with EN60601-1, EN60601-1-2, EN60601-2-26, EN ISO 14971 64-channel active electrode connection block - 2 pcs Power cable for 64-channel active electrode connection block - 2 pcs Electrode interface block for 64 active electrodes, works with 2-pin safety connectors for active electrodes. Includes power cable. 32-channel connection block for passive electrodes Electrode interface box for 16 passive electrodes or sensors, works with 1.5 mm medical safety connectors for passive electrodes. Active ring electrodes 136 active ring electrodes, for use with electrode holder and EEG cap or double-sided adhesive rings (for ECG, EMG, EOG). Fused Ag/AgCl ring (for DC recording), size: 16 × 10 × 5 mm, cable length 125 cm, 2-pin safety connector. Remains in cap for cleaning purposes. Z-electrode 1 × Z-electrode, active ring electrode, used with one amplifier channel for impedance measurement. Reference electrodes 2 × reference electrodes, active ear clip Ag/AgCl electrodes (reference), fused Ag/AgCl disk, 125 cm cable, 2-pin safety connector. Ground electrode 1 × ground electrode, passive grounding ring electrode, used with

electrode holder. 128 sticker label set Label set (128 pcs), includes numbers 1-128 as well as GND and REF for EEG electrodes and/or electrode holders. 3 sets of protective labels for electrode holders. 3 EEG caps (different sizes): Small: 50-54 cm Medium: 54-58 cm Large: 58-62 cm TRIGGER Box Trigger block device, power adapter, 4 buttons, 4 optical sensors, microphone, 9V battery block, user manual (PDF), USB trigger cable for amplifier. Multi-format trigger box, battery-powered, 3 × 4 inputs for analog, optical, and digital trigger signals, adjustable thresholds. STIMULATION Box Stimulation block for registering and generating trigger signals. 16 digital outputs, 14 digital inputs. Includes MATLAB API and C API, power supply, USB cable, 4 buttons, 4 LEDs, 4 vibrotactile stimulators, trigger cable for USB amplifier. SSVEP stimulation block SSVEP stimulation block with 4 LEDs (stimulation + testing), adjustable intensity. Includes connection cable. Audio Trigger & Stimulation Block Includes USB cable, headphones, trigger cable for USB amplifier. High-quality headphones (Sennheiser HDA 300 type). SENSORS Temperature Sensor - Skin temperature sensor (20-45 °C, accuracy 0.2 °C), 9V battery, 0-200 mV output, includes output cable and reusable probe. Respiration Effort Sensor (2 pcs) - Piezoelectric respiration effort sensor, ~1 mVpp output, recommended filter settings 0.1-70 Hz, 3 band sizes. Respiration Airflow Sensor - Thermistor sensor for nasal/oral airflow, battery life ≥1 year, ±1 mV output, includes connection cable. Oxygen Saturation Sensor - SpO₂ sensor with finger clip, ±250 mV output, powered by 2 × AA batteries, includes output cable. Limb Movement Sensor (2 pcs) - Piezoelectric sensor detecting limb movement, output max ±50 mV. Galvanic Skin Response Sensor (2 pcs) - GSR sensor with finger electrodes, includes 9V battery, connect only to medical-grade safe data acquisition inputs ±250 mV. Acceleration Sensor - 3-axis accelerometer/vibration sensor, ±3 G range, ±250 mV output, 9V battery, 205 cm ±5 cm analog output cable included. 8 fNIRS Sensors - 8-channel fNIRS (2×4), 10 Hz digitization, includes 8 low-power transmitters (frontal placement), 8 high-power transmitters (10/20 placement), 2 receivers, 2 Li-ion rechargeable batteries, charger, magnetic holders for EEG caps, mounting frame, and data dongle. Cap for fNIRS (3 sizes: Small, Medium, Large) - EEG cap with 74 positions (10/20 extended system + 86 intermediate positions), includes 10 fNIRS holders for motor cortex and 10 for prefrontal cortex. SOFTWARE The software package must include: Data Access, Data Access API, Data Demo, Montage Creator, Converter Stimulation PRO Control software Stimuli control software for stimulation box MATLAB API and C API for stimulation box control Professional Recorder - Software for biosignal acquisition, real-time ERP computation, visualization, video recording, data browsing, analysis (HR, HRV, CSA, CFM). One workstation license. Professional Reader - Reads amplifier data, visualization tools, libraries, and models. One workstation license. Professional Analyzer - Offline biosignal analysis with or without MATLAB. One workstation license. Warranty: minimum 1 year