

**Product Name :**  
Student Physiograph

**Product Code :**  
NLAB-EDUSCHOOLEQ28002



**Description :**

Student Physiograph

**Technical Specification :**

**Salient Features:-**

Unique system of pen motors, Modular easily interchangeable in a minute or two.

Pen length standard 120mm for ink writingsystem improving upon the international standard (100mm).

Shorter pen length would mean greater arcdistortions which is synonymous with waveform distortion and arc distortion.

Pen length below 100min is not internationally accepted.

**Frequency Response:-**With 120min ink penlength 70Hz-3db.

With shorter ink pens 75 or 80min length this response will be appreciably higher.

**Chart Drive:-** With completely silent gear train fitted with finest imported synchronous motor free from any backlash.

Noisy or large humming gear train or motor can introduce Bio-feedback signals.

Z fold chart paper for easy back reference and recording,

Ripple free power supply-with high stabilization and overload protection.

Modular Time & Event channel (optional).

**Console:-**

The Horizontal section houses the 10 speed Chart Drive, Galvanometers (Modular) with stabilized ripple free power supply & the vertical section housing the amplifiers and with ink pens and inkwell assembly.

Ten Chart Speeds provided are -50, 25, 10, 5, 2, 1, 0.5, 0.25, 0.1, 0.05 mm/sec.

**Transducers:-**

Pressure Transducer:- Strain Gauge Using STATHAM MODEL P23 a range -30 to +300 mm/ Hg. sufficient over pressure protection.

**Applications:-** Arterial and Venous pressure.

**Volume Transducer (plethysmography):-** For low volume changes (strain gauge type).

Heart,  
Smooth Muscle, Isotonic muscle Isometric Force Transducer.

Respiration  
Transducer.

Photo-electric  
Pulse Transducer.

Isotonic  
Transducer

**Accessories:-**

EKG  
Limb electrodes with straps with 4 nos -1 set

Chest  
electrode-1 no.

EEG  
electrode- 8 nos.

Pens  
ink writing - 2 nos.

Pens  
cradles - 2 nos.

Ink  
- 1/2 lit.

Chart  
Paper ink writing -2 nos.

EEG  
Jelly tube -1 tube.

EEG  
paste -1 jar.

3  
pin Junction Box -1 no.

Earthing  
Cord -1 no.

**Couplers:-**

Strain  
gauge coupler

AC  
coupler

Pulse  
Respiration coupler Isotonic coupler.

## Naugralabequipments

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