

Model : AWS-R-120-1

Stethograph Operating / Instruction Manual



Stethograph Instruction Manual

STETHOGRAPH AND TAMBOUR

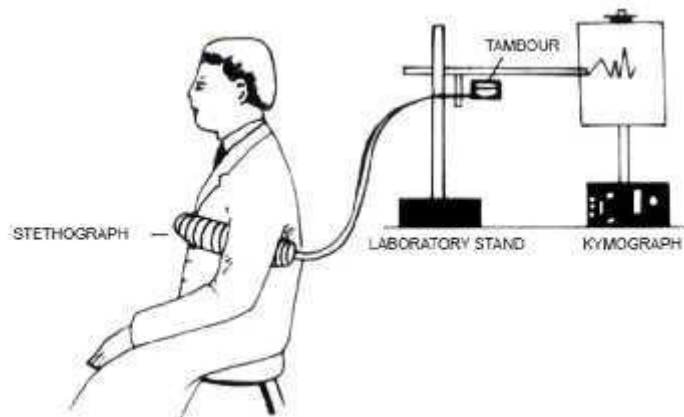
The combination of these two items is used to record respiratory patterns, i.e., rate, rhythm and amplitude during conditions:

During

- Talking
- Swallowing
- Speaking
- After Walking
- Breath Holding
- Hyper Ventilation



Use the Frontal Writing Point with Aluminum Stem and fixed the Kymograph Speed No: 3. and normal respiration, using two sets it is also possible to study chest and abdominal movements simultaneously under a variety of circumstance. (See drawing below).



Stethograph:

Designed for recording human respiratory movements using a tambour. The Stethograph can be positioned round the chest of the subject and attached by the adjustable fixing chain. The corrugated rubber tube is 180mm long and 35mm diameter and a 6.4mm (1/4 inch) pipe at one end connection to a tambour.



The Stethograph is designed for recording human respiratory movement with a recording device such as a tambour or transducer.

The corrugated rubber tubing is 200mm (8 inch) long and 35mm ($1\frac{3}{8}$ inch) diameter. A nickel-plated chain 850mm (34 inch) long, is secured at one end of the Stethograph, and may be secured at any point to a hook at the opposite end. In this manner the Stethograph may be placed in a convenient, yet unyielding, way on the subject.

At one end of the Stethograph is riffled tube with an inside diameter of 3mm ($\frac{1}{8}$ inch), for connection to the tambour or the recording device,

AWS Student Tambour :

The rubber diaphragm of this tambour is 40mm ($1\frac{1}{2}$) in diameter. The mounting has been considerably improved. Formerly, the diaphragm had to be tied in place. Now a rubber O-ring (supplied) simply slips on and beds itself in a groove locking the rubber diaphragm securely in place.

The writing lever has amplitude adjustment, since it can be moved along the 6mm ($\frac{1}{4}$ inch) mounting stem.

AWS Ink Pen :

The reservoir of this pen holds several drops of ink, and has a very small ink writing nib set in the sealed end. A stilette wire is supplied to keep the nib clear. The pen filler is a convenient means of supplying ink to the reservoir. The user should allow some ink to actually flow through the nib when filling the pen, to ensure no air lock impedes the flow.

The ink pen is mounted on a light aluminum stem 100mm (4 inch) long, the end of which has a split fork arrangement for mating to similar terminations on all AWS lever.

Bosshead Clamps:

This rod clamp is machined from solid brass bar stock, and is heavily plated. One end is drilled in both directions for a standard 9.5mm ($\frac{3}{8}$ inch) diameter upright. The other end is drilled to take stems 6mm ($\frac{1}{4}$ inch) and 9.5mm ($\frac{3}{8}$ inch) in diameter.

AWS Standard Laboratory Stand:

The solid cast iron base of this stand is a triangle 125mm (5 inch) on each side. A hole has been drilled through the center of the base so that the stand can be bolted to a laboratory bench if required. The stainless steel upright is mounted at one corner.

Length of Upright: 350 mm (14 inch)

Diameter of Upright: standard 9.5 mm ($\frac{3}{8}$ inch)

Weight: 2 Kg (4.4 lb.)

