



## Features

This system will calibrate all optical distance indicators on accelerators, cobalts and simulators. The ball pointer is used to determine the rotational isocenter of the treatment machine collimator head and gantry. The ball pointer is also visible in fluoroscopy on simulators.

## Specifications

**Optical Distances:** 5cm steps to 40cm

**Material:** White plastic with a matte finish and black dashes

**Ball Pointer:** 12" L with 1/16" dia. ball  
**Rod Clamp**

**Base:** 13cm x 10cm x 1/2" zinc plated steel with rubber feet

**Height:** 43cm

**Weight:** 4lbs.

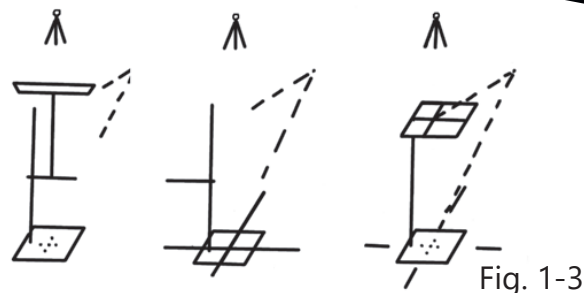


Fig. 1-3

## Instructions

### Step 1

Determine the most useful range (40cm or less) of the Optical Distance Indicator (ie. 80cm to 120cm range with a 100cm isocenter). Figure 1 - set white plastic tray five steps (20 cm) down from the top. Use an Accurate Mechanical Distance Rod (Model 700-000) adjusted for 100cm isocenter and adjust the couch height until the pointer just touches the white plastic tray.

### Step 2

Figure 2 - rotate the white plastic tray around 180° out of the field and adjust the cross hairs so that they align on the black dashes.

### Step 3

Figure 3 - raise the white plastic tray up 20cm. This tray would show field light cross hairs intersecting with 80cm. The black dashes on the base represents the cross hairs and will intersect with 120cm.

### Step 4

Adjust the Optical Distance Indicator so that 80cm and 120cm are obtained at the same time. When both points are precisely on, linearity can be checked in 5cm steps by moving the plastic tray down the rod.