

## Salient Characteristics

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### **KayPentax Nasomter II (Brand Name or Equal)**

#### **General**

The nasometer is an assessment tool that measures and give feedback on the presence of nasality (nasal speech sound) in speech production. More specifically, it is used to assess the extent of nasal escape in the cleft palate and provide feedback during therapy and other clinical applications.

#### **Warranty Requirements**

Manufacturer must offer a 1 year warranty that product is free from defects in materials and workmanship. All defects will be replaced or repaired by the manufacturer at no cost to the buyer.

#### **Distinctive Features**

- a. Shall consist of a headset device that separates the oral and nasal cavities with a baffle plate.
- b. Shall Have microphones mounted on top and bottom of the plate (2 separate microphones).
- c. The nasometer must be able to compute a ratio of the acoustic data acquired by the two microphones.
- d. Shall have built-in sound chip that connects to the host PC via USB interface.
- e. Shall have real-time visual feedback of nasality in the patient's speech.
- f. Shall have auditory playback of patient's speech production.
- g. Shall produce quantitative data to document patient's progress before therapy, surgery, or prosthetic fitting.
- h. Shall possess standardized assessment passages to include but not be limited to:
  - Zoo Passage
  - Nasal Sentences
  - Rainbow Passage