The Ohmeda 7800 Anesthesia Ventilator is available refurbished from DRE, Inc. This ventilator can be utilized on adult patients with a pediatric option. The 7800 is powered by AC with battery back-up. The liquid crystal display ensures a clear display screen. Functions are microprocessor controlled and there are audible and visual alarms. The vent provides Oxygen, Volume, and Airway Pressure monitoring.

**Ohmeda 7800 Specifications**

**ELECTRICAL**
- Power Consumption: 60 VA at 120/240 V
- Power Supply: Internal Supply (electrical)
  - User-selectable line voltage: 100/120/220/240 V, 50-60 Hz
- Backup Battery: Liquid Crystal Display

**CONTROLS**
- **Control** | **Range** | **Display Resolution**
  - Tidal Volume: 50-1500 mL
    - From 50 mL to 100 mL: 2-mL resolution
    - From 100 mL to 250 mL: 5-mL resolution
    - From 250 mL to 1000 mL: 10-mL resolution
    - From 1000 mL to 1500 mL: 20-mL resolution
  - Rate: 2-100 B/min
    - 1 B/min increment
  - Inspiratory Flow: 10-100 lpm
    - Resulting I:E Ratio: 1:0.5 min., 0.5 resolution

**PERFORMANCE CHARACTERISTICS**
- **Supply Gas Requirements:** (50 psig) nominal at pipeline

**MONITORING**

**Oxygen Monitoring:**
- **Display:** Range: 0 to 110% oxygen
- **Resolution:** 1% of full scale
- **Sensor:** Sensor type: Galvanic fuel cell
- **Response time:** 90% of total change in oxygen concentration in less than 20 seconds at 25°C (77°F)

**Low Oxygen Alarm Limit:** 18-99%, 1% increment
**High Oxygen Alarm Limit:** 19-99%, 1% increment (disabled when set to zero)

**Volume Monitoring:**
- **Display range:**
  - Tidal volume: 0-9999 mL, 1 mL resolution
  - Minute volume: 0.0 to 99.9 liters, 0.1 liter resolution
  - Breath rate: 0-99 breaths per minute, 1 B/min resolution
- **Accuracy:**
  - Tidal volume: ±8% or ±40 mL (whichever is greater)
  - 50 mL to 299 mL range: ±20% or ±20 mL (whichever is greater)
- **Sensor:** Type: Expendable turbine vane flow cartridge with clip-on, heated, optical coupler

**Airway Pressure Monitoring:**
- **Pressure Transducer Range:** -20 to +120 cm H₂O, ±3 cm H₂O
- **Response Time:** 10 milliseconds
- **Accuracy:** ±3 cm H₂O over the range of -20 to 120 cm H₂O
- **High Pressure Alarm Limit:** 20-100 cm H₂O, 1 cm H₂O increment
- **Sustained Pressure Limit:** 10-30 cm H₂O, 1 cm H₂O increment