PERCUSSIONAIRE®
CORPORATION
Advanced Cardiopulmonary Dynamics

PRESENTS:

THE UNIVERSAL MONITRON®
MODEL F00007-B

The Universal Monitron® provides for a straightforward, independent visual/aural source of respirator/ventilator trending, beyond normal one on one clinical surveillance.

The Monitron® is totally independent of respirator/ventilator functions, and any display failure within the Monitron® has no effect upon the host device.

The Universal Monitron provides:

- **A near instantaneous digital read out of effective cycling frequency.**
- **Manometric presentation of proximal airway pressure rise and mean.**
- **Aural alarming for failure to maintain a proximal airway pressure rise.**
- **An educational means of demonstrating unique programmable functions.**

INTERFACING THE UNIVERSAL MONITRON® WITH THE PERCUSSIONAIRE® RESPIRATOR/PERCUSSIONATORS®

Located on the back-side of the Monitron® is a RED service socket which receives proximal airway pressures from the RED service socket of the host device. Special red interfacing tubing is contained in the accessory kit shipped with the Universal Monitron®.

Normally, the Universal Monitron® is installed on the stand post above the host device, using supplied post brackets. Interconnect the Universal Monitron® and the Percussionator® host device red service sockets to servo the Universal Monitron®.

The Manometer is serviced by a Rotary Switch, which can be rotated to INTEGRATED MEAN for a nominal mean proximal airway pressure.

The Frequency Counter can be activated by depressing the "Push to Start" button. Each activation will result is an approximate five minute display period.

The Disconnect Aural Alarm is activated by the manual ON/OFF Switch. Failure to turn the switch off upon purposeful disconnect will result in an aural alarming.

This device is powered by standard internal batteries: AA batteries for the Frequency Counter, and a 9 volt battery for the disconnect alarm. Both batteries can be changed by a Biomed Technician:

Remove and set aside the four 6x32 screws and nylon washers from the front panel. Carefully slide the panel forward. This provides access to the battery clips. Remove the battery(s) and recycle according to local laws. Replace with fresh batteries and slide the panel back into position and secure with the four 6x32 screws and nylon washers.

OF CLINICAL INTEREST

All Percussionator® devices conceived by Dr. F.M. Bird employ his concept of "balanced respiration." That is, the Percussionator® devices are "indexed to the patient" by the selection of an Operational Pressure. Then, with the Arrows on the appropriate control knobs under their 12:00 indexes, a starting schedule is established. If trend analysis demonstrates increased Oxygen uptake requirements, gradually rotate the appropriate control knob counterclockwise for increased intrapulmonary diffusion. If Carbon Dioxide retention is observed, gradually rotate the appropriate control knob clockwise to increase convection for CO_2 washout. Clinical experience with each device will allow increasing clinical efficacy through learning to balance diffusion against convection.

The Universal Monitron® was not conceived as a programming device to establish a specific ventilatory program for any cardiopulmonary patient requiring mechanical respiratory support. Consult the Clinical Manuals for each specific host ventilatory device. Percussionaire® technical services can advise special programming features for specific Percussionaire® respirator/ventilator Percussionators®.

MANUFACTURED BY:
Percussionaire® Corporation
1655 Glengary Bay Road (FEDEX SHIP)
P.O. Box 817 (POSTAL)
Sandpoint, Idaho 83864 U.S.A
Telephone: 208.263.2549
Fax: 208.263-0577
 www.percussionaire.com

EU REPRESENTATIVE:
Percussionaire® Corporation,
Belgium Office
21 Breemstraat
1820 Perk, Belgium
Telephone: +.322.751.9134
Fax: +.322.751.0923

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