

Portable Hand-Held Alveolar Oxygen and Carbon Dioxide Meter

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Technology description

Description

This invention is a portable alveolar oxygen and carbon dioxide meter that shows the concentration or partial pressures of oxygen and/or carbon dioxide in the alveolar gas in the depths of the lung. It is the first portable oxygen meter and would compete only with pulse oximeters. However, pulse oximeters measure the oxygen saturation of the hemoglobin in the blood and this type of measurement does not give an accurate estimate of the alveolar oxygen content of the lung. Alveolar content is important information, useful in assessing the efficiency of respiration, especially the level of ventilation.

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