

# AEI Flow Measurement System

AEI Technologies Flow Measurement System utilizes a Hans Rudolph Pneumotach [PNT] as the device to convert flow to a differential pressure. This differential pressure is measured by a very accurate Differential Pressure Sensor and produces a voltage proportional to flow. This voltage is enhanced by a specialized look-up table to provide an accurate Flow Measurement. The look-up table was developed from national laboratory test data utilizing the AEI Flow Measurement System over an extreme physiological flow range with accuracy of 0.3%.

## References

Hans Rudolph PNT Service & Instruction Manual

A Comparison of Response Characteristics of Airflow and Pressure Transducers Commonly Used in Rhinomanometry, Frye and Doty, IEEE Transactions on Biomedical Engineering, October 1990.



**TECHNOLOGIES**  
Metabolic Measurement Systems

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