

CHEETAH MEDICAL TECHNOLOGY

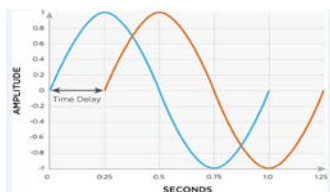
The CHEETAH NICOM™ and STARLING™ SV hemodynamic systems are 100% noninvasive and provide dynamic assessments of fluid responsiveness. These assessments enable clinicians to make more confident and informed treatment decision regarding the proper amount of fluid required to maintain adequate organ & tissue perfusion.



HOW DOES THE TECHNOLOGY WORK?

- 4 non-invasive sensor pads are applied to the thorax, creating a 'box' around the heart
- A small electric current of known frequency (75kHz) is applied across the thorax between the outer pair of sensors
- A voltage signal is recorded between the inner pair of sensors
- The flow of blood in the thorax introduces a time delay or phase shift in the signal
- Cheetah's proprietary algorithms interpret the signal to provide stroke volume
- These signal changes have been correlated to known thermodilution cardiac output in 65,000 patient samples across multiple clinical settings (ICU/OR/Cath Lab)

PHASE SHIFT



STARLING SV FEATURES & BENEFITS

NON-INVASIVE	<ul style="list-style-type: none"> ▪ 100% Non Invasive ▪ Eliminates need for central / arterial lines
REAL TIME	<ul style="list-style-type: none"> ▪ Continuous assessment of a patient's volume status
VERSATILE	<ul style="list-style-type: none"> ▪ Accessible in ALL sites of care ▪ Very broad clinical applicability ▪ Quick set-up and easy to use
COST-EFFECTIVE	<ul style="list-style-type: none"> ▪ Attractive cost avoidance for health care providers
CLINICALLY VALIDATED	<ul style="list-style-type: none"> ▪ Only noninvasive hemodynamic system with the Pulmonary Artery Catheter as its predicate device for FDA clearance ▪ Pre-clinical studies vs. aortic flow probe