

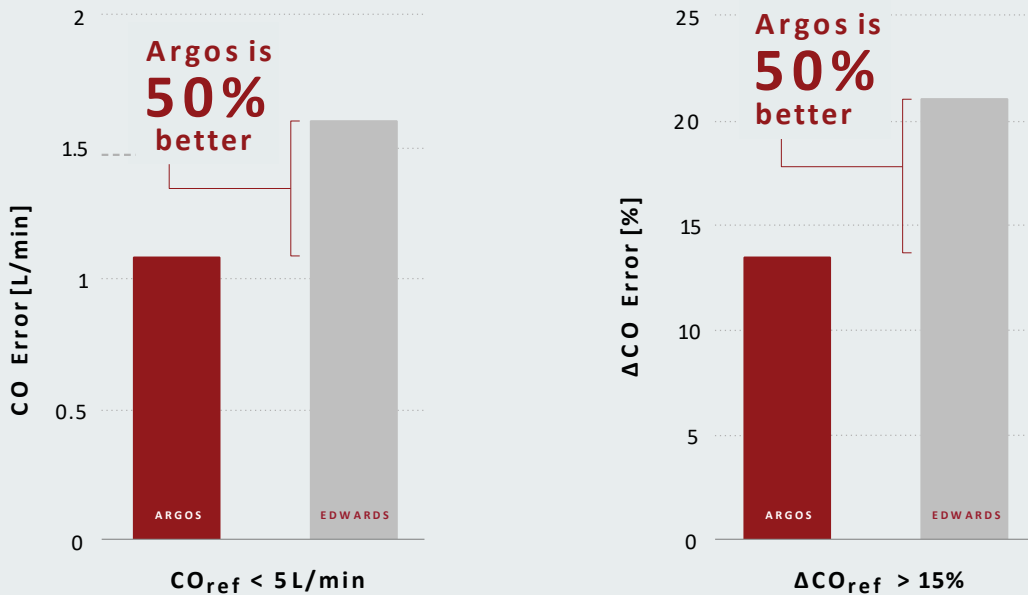


Consistently Accurate Cardiac Output Monitoring

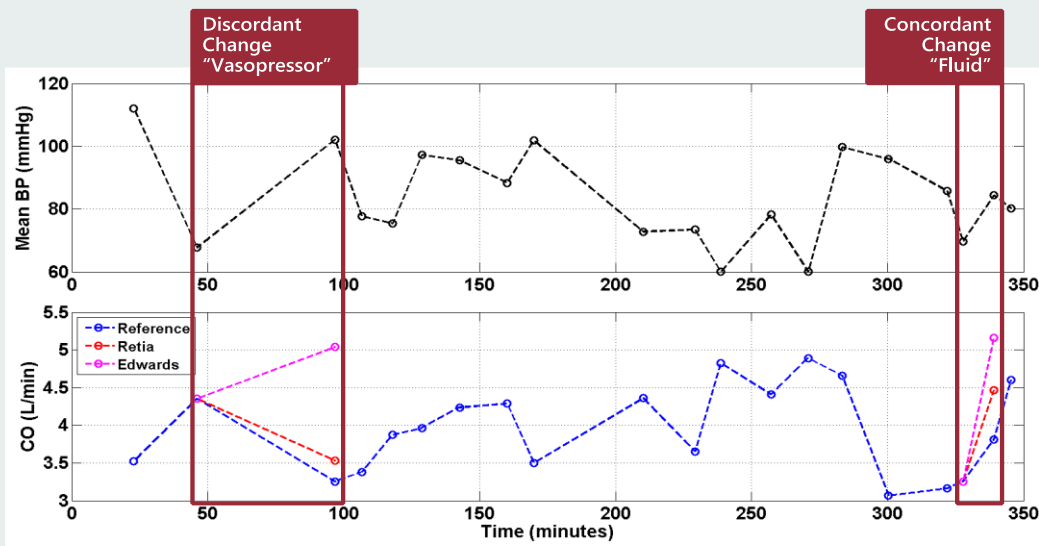
For the Safe Management
of High-Risk Patients

Multiple Studies Show Consistent Accuracy

The Multi-Beat Analysis (MBA™) algorithm* uses multiple heartbeats to create a more consistently accurate model of circulation to overcome the limitations of other single-beat pulse contour algorithms.



Argos Accurately Tracks Changes When Both Vasopressors and Fluids are Given



- 50% more accurate than Edwards FloTrac in tracking CO changes and low CO values vs. PA catheter in 40 subjects - liver transplant, cardiac surgery in OR and ICU; major university hospital on East Coast [submitted]. K181372 – FDA validation study.
- 50% more accurate than Edwards FloTrac in tracking CO changes and low CO values vs. PA catheter in 60 subjects - off-pump CABG surgeries; major university hospital in Europe
 - OR: [Saugel B et al. Cardiac output estimation using multi-beat analysis of the radial arterial blood pressure waveform: a method comparison study in patients having off-pump coronary artery bypass surgery using intermittent pulmonary artery thermodilution as the reference method. *J Clin Monitoring and Computing*, doi: 10.1007/s10877-019-00375-z]
 - ICU: [Greive G et al. Cardiac output estimation by multi-beat analysis of the radial arterial blood pressure waveform versus intermittent pulmonary artery thermodilution: a method comparison study in patients treated in the intensive care unit after off-pump coronary artery bypass surgery. *J Clin Monitoring and Computing*, doi: 10.1007/s10877-019-00374-0]
- 18.5% calibrated CO error compared to pulmonary artery catheter (single bolus thermodilution) in 184 critically ill patients [Br J Anaesth, doi: 10.1093/bja/aes099, 2012]
- Reliable tracking of CO reductions in 129 healthy humans during central hypovolemia [Br J Anaesth, 106(1):23,2011]
- 15.1% calibrated CO error compared to Doppler ultrasound in 10 healthy humans during drug and postural interventions [J Appl Physiol, 101:598, 2006]

*For more details, please visit: www.retiamedical.com/how-it-works

Easy to Use with Your Bedside Multi-Parameter Monitor & EMR



Use your existing arterial line



Step 1: Connect your bedside monitor* to the Argos Cardiac Output Monitor



Step 2: Enter patient information

- Uses patient's existing arterial line and transducer
- No proprietary disposables required
- Argos is compatible with most bedside multi-parameter monitors* and requires just a single, reusable cable connection
- Connects to Electronic Medical Record (EMR) using HL7 standard
- Setup can be completed in less than 2 minutes

*Philips, GE, Mindray, Draeger, Nihon Kohden, Spacelabs, and others upon request

An Intuitive User Interface that Provides Comprehensive Information About Your Patient

Pinch Zoom Trend and Scrolling

One-Touch Access to Trend and Parameter Settings

Customizable Parameter Target Ranges

Select 3 Parameters to Display on a Clear, Concise, and Uncluttered Dashboard

VESA Mounting Options

Long Battery Life

Annotate Events During Monitoring

20 sec and 5 min Averaging

Select Three Parameters to Display

- Cardiac Output (CO)
- Cardiac Index (CI)
- Blood Pressure (BP)
- Heart Rate (HR)
- Stroke Volume (SV)
- Stroke Volume Index (SVI)
- Mean Arterial Pressure (MAP)
- Systemic Vascular Resistance (SVR)
- Systemic Vascular Resistance Index (SVRI)
- Pulse Pressure Variation (PPV)

Monitor Every Patient with Zero Additional Costs

Reduce the incidence of costly complications (i.e. AKI)¹ and avoid the high cost of proprietary disposables with the Argos

Save nearly

\$7M

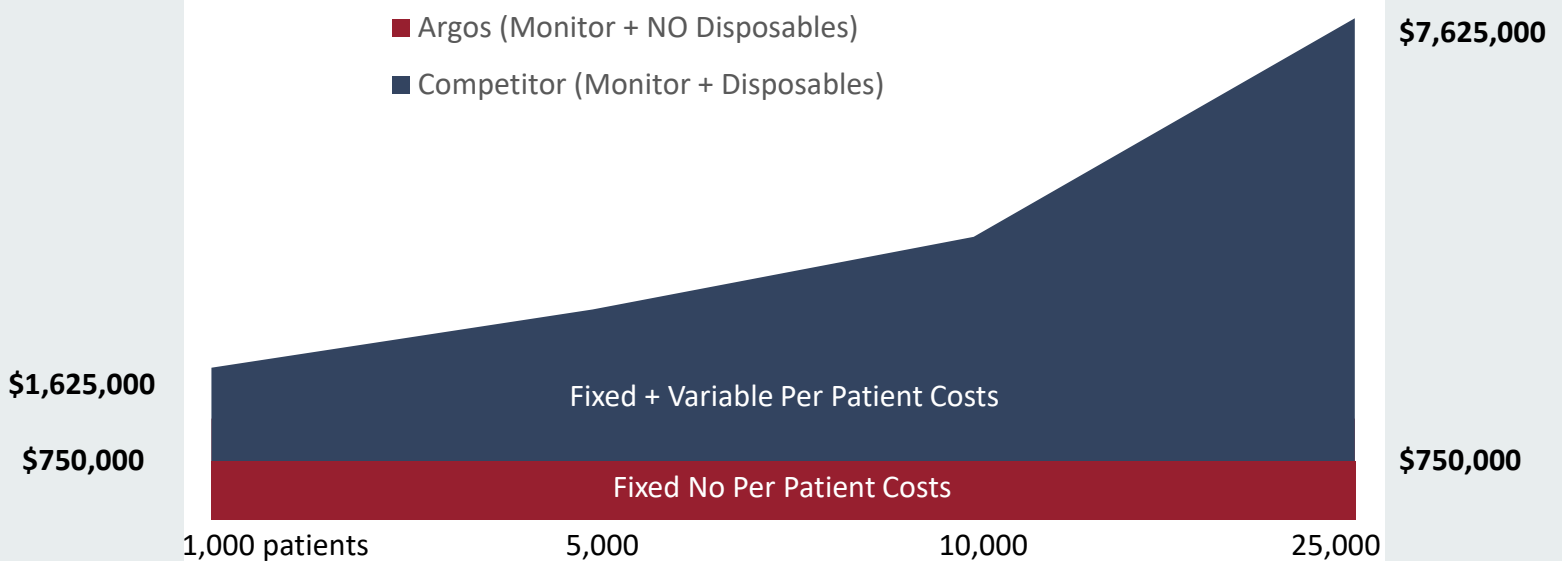
Break even in

8 Months

Return on Investment

9X

Total Cost of Ownership – Cardiac Output Monitor with and without Disposables



In this example, 25 Argos monitors used on 25,000 high-risk surgical and ICU patients would generate a **cost savings of over \$6.8M**, compared to a competitor technology² that requires disposables.

To calculate your cost savings, please visit:
retiamedical.com/products/flatten-cost-curve

1. Giglio M et al. Hemodynamic goal-directed therapy and postoperative kidney injury: an updated meta-analysis with trial sequential analysis. *Critical Care*. (2019) 23:232.
2. Based on current market data of Edwards HemoSphere + FloTrac™ Average Selling Price

Argos Provides

Consistent Accuracy Across a
Wide Range of Clinical Conditions

Easy Setup in 2 minutes

No Proprietary Disposables Required,
Saving on Costs

THE ARGOS CARDIAC OUTPUT MONITOR is indicated for continuously measuring cardiac output from the arterial blood pressure signal obtained from the analog output of a multi-parameter bedside monitor. The Argos monitor is indicated for use in adult patient populations and is intended to be used by clinicians on critically ill patients in an operating room or in an intensive care unit.

To schedule your personal
Argos demo, call us at:

(914) 594-1986

sales@retiamedical.com

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