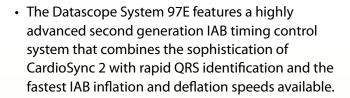


For the most challenging cardiac rhythms

- Analyses cardiac interval patterns
- Automatic selection of R-Wave deflation
- Reliable A-Fib tracking
- Rapid QRS identification
- Improved arrhythmia management



- Faster speeds provide greater diastolic augmentation, enhanced unloading, and a wider use of R-Wave deflation triggering to track and effectively assist patients with arterial fibrillation.
- A smart pattern-based timing algorithm, CardioSync™, rapidly adapts to difficult ectopics and sudden rate changes without interruption of pumping.
- The System 97E also offers a host of user convenience features that make it easier to use in the OR, Cath Lab, CCU and in transport.





Datascope System 97E Intra-Aortic Balloon Pump

Equipment for the way you operate

Technical Specifications

Mechanical	
Dimensions	43"H x 22"W x 17"D
	(109 51 x 25 cm)
Off hospital cart	27"H x 50"W x 10"D
	(68 x 51 25 cm)
Weight	
-Console	82 lbs (37 kg)
–Battery	35 lbs (16 kg)
-Monitor	8 lbs (4 kg)
	58 lbs (26 kg)
Electrical	
Battery Pack	24 V DC, 18 Ah
Type	Sealed lead acid maintenance free
Battery Operating Time	2 hours @ 120 bpm
Battery Recharge Time	18 hours maximum from
	completely discharge to full
AC Power Requirement	300 VA normal,
•	90-130 V, 50/60 Hz;
	200-260, 50/60 Hz
Pneumatics	
System Compressor	Dual head diaphragm pump
	brushless DC motor
Patient Balloon Pump Gas	Medical-grade helium
Blood Detection	Automatic protection of
	compressor pneumatics and
	isolation of blood
	in auto fill line
Condensate Removal	Automatic condensate
	removal and disposal
	via thermo-electric cooling
Display	
Type	Gas plasma, 5.2" x 8.25"
	(132 x 210 mm)
Channels	ECG and arterial pressure
	plus optional balloon
	pressure waveform
Reference Line	0-300 mm Hg/max
ECG	
	I, II, III, aVR, aVL, aVF, V
Frequency Response	0.5-135 Hz output jack
	0.5 - 12 Hz display
Leakage Current	<10μA source current,
	<20µA sink current
	Discharge levels up to 500 joules
Recovery Time	Trace returns to screen,
	2 sec maximum
Trigger Source	
ECG Trigger Requirement	120μV ±μV at max. gain

Trigger Source continued	
Pacer Rejection (no tails)	±2mV to ±700 mV duration
5	0.1 ms to 2 ms
Pressure	Adjustable between 7 mmHg to
Da sau A M	30mmHg pulse amplitude
Pacer A-v	A-V interval 80-225 ms rate <
Da aay A	or equal to 125 bpm
Pacer A	Trigger requirement (same as ECG)
DagarV	
Internal	<pre>40-120 in 5 bpm increments;</pre>
Internal	default rate 80 ±1 bpm
ESIS Automatic s	
ESISAutomatic suppression with internal ECG amplifier	
Pressure	
	jer7mmHg min pulse
Tressure sensitivity to mgg	amplitude
Transducer Requirements	Sensitivity - 5.0µV/V/mmHg
Excitation	+5V DC
	±120 mmHg
Inputs/Outputs	
	6-pin 5-lead AAMI proposed standard;
	atient input 3 - conductor phone jacks;
•	monitor level
Pressure Connectors	6-pin male connector,
	cope-specified compatible transducer,
	3-conductor phone jack; monitor level
Voltage InterfaceEC	CG = 1V/mV nominal arterial pressure =
	1V/00 mmHg nominal
Trend Display	
Memory	8 hours total;
	30 minutes of 5 minutes average;
	7.5 hours of 15 minutes average
	art rate, peak systolic pressure, diastolic
	pressure, ean and augmented pressure
Dosauding Faunat	
Recording Format	Thermal array type recorder/
necoldel	2" thermal paper
Waveform Presentation	ECG, arterial pressure,
waveloiiii i rescritation	optional balloon pressure waveform
Graphic Presentation	Heart rate trend, pressure trends
	Trigger point
Inflate interval	gge. pot
Annotations	
	Lead
	Scale
Parameters	Heart rate, systolic, diastolic,



mean augmented pressure Same as trend display

Trend