**Product Description**

The PhysioPulse 100 Flow System is designed to generate realistic, accurate and repeatable physiological volume flow waveforms. The system is pre-programmed with waveforms and allows for the downloading of user-defined flow waveforms. Volume flow waveforms are downloaded via a USB port.

The PhysioPulse 100 Flow System offers a flow range of 1.0 to 100 ml/s. Each system is calibrated and accompanied with a certificate of calibration specifying the calibration results at relevant flow rate intervals, as well as a calibration constant to verify the pump system accuracy.

**Applications**

Scientific research, new technology development and new product testing that requires reliable, accurate and repeatable pulsatile and constant flow waveforms for ultrasound, computed tomography and endovascular device flow applications.

**Product Features**

- Flow range of 1.0 to 100 ml/s.
- Realistic physiological volume flow waveforms.
- Pulsatile and constant flow waveforms.
- Reproducible waveforms.
- Programmable waveforms.
- Proprietary embedded physiological flow waveforms.
- User-defined waveforms can be downloaded.
- Calibration certificate.
- USB connection to download user-defined waveforms.
**Fluid Flow Specifications**

Volume Flow Range 1.0 - 100 mL/s  
Sine Waves of up to 1.5 Hz  
Physiological flow waveforms excluding reverse flow

**Mechanical Specifications**

High-torque servo-motor  
Gear Box with 5:1 Ratio  
Gear Pump  
Self-Sealing 5/8” inner diameter plastic connectors

**Computer Control**

Functional USB Port for user supplied computer

**Interface Options**

User Supplied Computer, Monitor, keyboard and Mouse  
TracerDAQ Interface Software

**File Format**

Waveform data is stored on the user’s computer  
Waveforms can be looped continuously

**Electrical**

115 VAC, 50/60 Hz, 6 Amp @ 120V  
1 USB Connection on Front Panel

**Standard Calibration**

Flow Rate Sheet indicating the flow at different voltages

**Physical**

Pump Unit Dimensions: 17” l. x 17 ¾” w. x 10 ½” h.  
Pump Unit Weight: 60lbs. (27kg)  
Reservoir Capacity: 6 litres  
Circulating Fluid Volume: 1.5 litre minimum

**Accessory Products**

Anatomically correct heart and vascular phantoms  
Blood mimicking fluids for; ultrasound, CT and endovascular applications.