

Discipline	Acquired Waveforms	Acquired Units	Advanced CODAS Operations	Playback Operations	Derived Units	Derived Parameters
Cardiovascular	Blood Flow	ml/s	P/V		ml/s, BPM	Beat-by-beat max forward flow, max back flow, heart rate
			\int Blood Flow dt		ml	Forward volume, back volume waveforms
			\int Blood Flow dt \rightarrow P/V		ml, BPM	Beat-by-beat max forward volume, max back volume, heart rate
	Left Ventricular Pressure (LVP)	mmHg	P/V		mmHg, BPM	Beat-by-beat peak LVP, heart rate
			d(LVP)/dt		mmHg/s	Pressure Velocity
			d(LVP)/dt \rightarrow P/V		mmHg/s	Beat-by-beat mx and min pressure velocity, heart rate
	Blood Flow, LVP	mmHg	\int Blood Flow dt	X-Y	ml/mmHg	Pressure - Velocity loops
			(LVP) \div (\int Blood Flow dt)		mmHg/ml	Dynamic resistance waveform
	Arterial Pressure	ml/s, mmHg	P/V		mmHg, BPM	Beat-by-beat systolic, diastolic, mean, ejection time, heart rate
	Heart Sound			FFT, DFT, IFFT	Hz, Magnitude	Heart sound spectral response
Electrophysiology	ECG	mv	P/V		mv, BPM	Beat-by-beat peak R-wave height, heart rate
				FFT, DFT, IFFT	Hz, Magnitude	ECG spectral response
	EEG	μ v		FFT, DFT, IFFT	Hz, Magnitude	EEG spectral response (δ , θ , α , β and γ band separation)
	EMG	mv	$\gamma \rightarrow \int$ EMG dt		mv seconds	EMG activity index (work)
			FFT, DFT, IFFT	Hz, Magnitude	EMG spectral response	
Pulmonary	Respiratory Flow	Liters/min	P/V		Liters/min, BrPM	Breath-by-breath max inspiratory and expiratory flow, respiration rate
			$\gamma \rightarrow \int$ Respiratory Flow dt		Liters	Inspiratory, expiratory, and tidal volume; minute respiratory volume
			$\gamma \rightarrow \int$ Respiratory Flow dt \rightarrow P/V		Liters, BrPM	Breath-by-breath max inspiratory and expiratory volume, respiration rate
	Respiratory Flow, Esophageal Pressure	Liters/min, mmHg	\int Respiratory Flow dt	X-Y	Liters/mmHg	Pressure - Volume Loops