

# ***Data Acquisition with BLF21 Monitors***

## ***Standard***

- Analog Output to recording device
  - Chart Recorder
  - A-D Interface

## ***Options***

- Digital output & software for your PC
- Digital output for your SPACELABS Medical Patient Monitor

Transonic BLF21 Series laser Doppler flowmeters come equipped with standard analog voltage output of flow signals. The standard analog output connects directly to any of a wide range of physiological chart recorders to observe and save pulsatile waveforms or mean flow signals. This analog port can also be connected to your analog-to-digital interface board which you may use with any type of computer system.

Transonic Systems' optional computer interface with WINDAQ acquisition and playback software will record, store and allow you to retrieve complete flow data on your Windows-equipped IBM-compatible PC.

### ***Analog Outputs***

#### ***to Chart Recorder***

The analog output ports on Transonic flowmeters are BNC connectors with -5 to +5 volt DC signals (0 to + 5 in BLF21's). This signal can be connected to the physiological recorder. The recording device can then be calibrated to the flowmeter and probe with procedures described in the instrument manual. Transonic Systems would be happy to work with you in developing a package including a chart recorder.

#### ***to A - D Interface & Computer***

If you are currently outfitted with an A-D board for your computer and have a software package that will support flow data, you may also acquire the flow information from Transonic flowmeters standard analog ports without any additional modifications required.

The analog output ports on Transonic flowmeters are BNC connectors with -5 to +5 volt DC signals (0 to + 5 in BLF21's). This signal can be connected to a computer's analog to digital interface board. The recording device can then be calibrated to the flowmeter and probe with the procedures described in the instrument's manual.