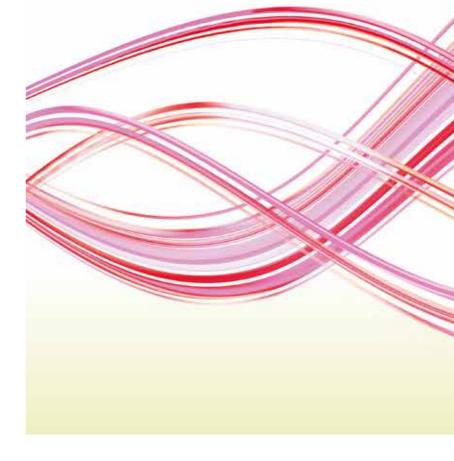






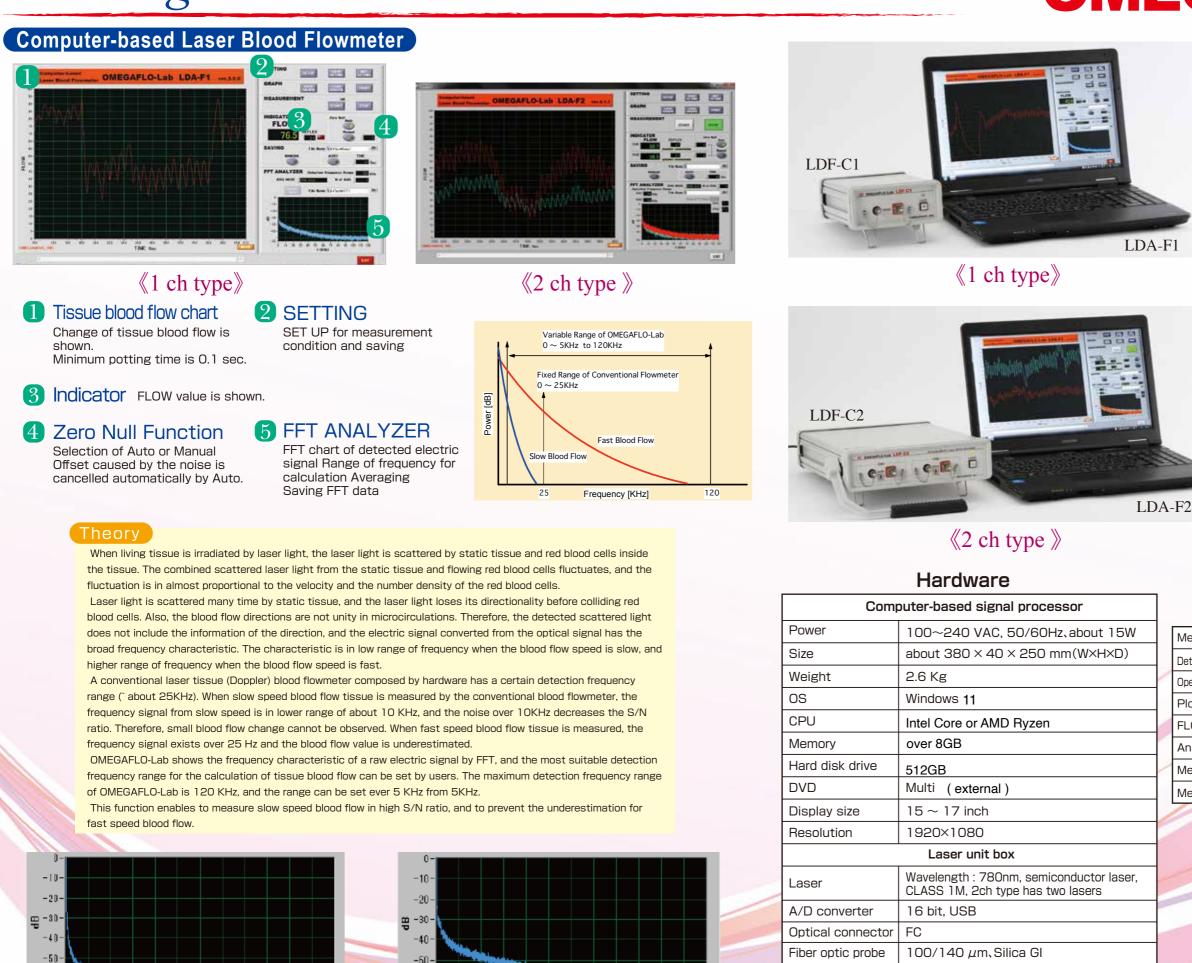
2-20-3 Katamachi, Fuchu, Tokyo Japan T E L :042-352-1171 FAX:042-352-1173 http://www.omegawave.co.jp/





Nothing measures like the OMEGAFLO-Lab.



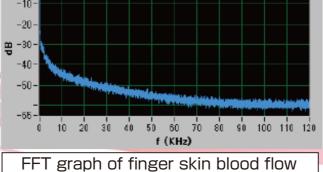


FFT graph of forearm skin blood flow

- Ó - 1Ó - 2Ó - SÍO - 4Ú - 5Ó - 6Ú - 7Ó - 8Ó - SÍO - 11Ú - 12Ó

f (KHz)

-65



Power

Size

Weight

1 ch type : 5V DC, 0.4A, 2 ch type : 5VDC, 0.8A

1 ch type : 155 x 58 x 202(W×H×D)

2 ch type : 370 x 66 x 280(W×H×D)

1 ch type : 1kg

2 ch type : 1.5kg

OMEGAFLO-Lab

Special Feature
1. Setting function of frequency range Operation frequency range of detected signal can be set by confirming FFT chart, and high S/N ratio measurement is possible.
2. 120 KHz range of detection frequency Higher frequency can be detected compared with a conventional laser blood flowmeter, and fast blood flow tissue is measured.
3. Auto zero adjustment Offset noise generated from the laser – detector unit, LDF-C1, is automatically cancelled.
4. Easy saving of data System is compact because the calculation, display and saving are operated by the computer-based signal processor, and no data acquisition is needed.
5. Saving of FFT data FFT data of the detected light signal can be saved, and it is used for confirmation of the raw data.
6. USB power supply The power for FLO-Lab is supplied from USB output of the computer-based signal processor. AC power is just needed for the computer-based signal processor.
7. Channel selection function for 2ch type.

8. Probes for FLO series can be used.

Patent No. 6045100 (Japan)

Measurement

Measurement	Tissue blood flow (FLOW) 0 - 1000 (mL/min/100g corresponding)		
Detection frequency range	$OHz \sim 120 kHz$		
Operating frequency range	5kHz \sim 120kHz every 5kHz pitch		
Plot interval	0.1, 0.2, 0.5, 1, 2, 5, 10 sec		
FLOW display time	$10 \sim 600 \text{ sec}$ selectable		
Analog output	FLOW : 0 – 10 V		
Measurement area	inside about 1 mm circle		
Measurement depth	about 0.5mm - 1mm frtom surface (depends on tissue)		

Application

- Cerebral blood flow
- Blood flow of internal organs
- Skin blood flow
- Spinal cord blood flow
- Gingiva blood flow
- Vasodilation and ischemia
- Environmental effect