

# D-6

## GAS FLOW METER

We can measure the  
breathing of mice !

## GENERAL DESCRIPTION

D-6 is a **WaveFront™** air and gas flow meter with a proprietary **WaveFront™** integrated algorithm. The device can be used in medical respiratory devices, including ventilation related applications, feedback systems and pre-clinical applications.

## FEATURES

- Suitable for human and preclinical (mice, rats, mammals) ventilation applications
- Flow meter compatible with small pressure ports of human ventilators and preclinical systems
- Inherent BTPS correction: flow volume measurement depends on the quantity and energy of gas molecules
- Built-in automatic internal calibration, less than 0.1 sec calibration time
- Zero obstacle, no moving parts
- The flow sensor can be used as a direct human breathing monitor, inhale or exhale channels
- USB hardware data interface (RS232 is available at request), plug-and play software interface
- The inner surface of the flow tube is continuous, it can be disinfected with cold disinfecting liquid InstruMed

## SPECIFICATIONS

- Flow measurement principle:  
**WaveFront™** multiple-path
- Flow tube diameter: 6 mm (OD)
- Dead space: 2 mL
- Flow resolution: 0,1 mL/s
- Flow precision: 2 %
- Flow range: +- 300 mL/s
- Flow sampling rate: up to 160 Hz
- Power supply: USB 5V
- Connection to PC: USB  
(Serial / RS232 available upon request)
- Device dimensions: 27 X 60 X 150 mm



**THOR**  
medical systems

Home of  
**WaveFront™**  
Technology