

# D-30

## GAS FLOW METER

### GENERAL DESCRIPTION

D-30 is a multi-path **WaveFront**™ gas flow meter with a proprietary **WaveFront**™ algorithm processing. The device can be used in any medical respiratory device, including spirometers, ventilation related appliances and feedback systems.

### FEATURES

- 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: 30 mm (OD)
- Dead space: 16,8 mL
- Flow resolution: 8 mL/s
- Flow precision: 3 %
- Flow range: +- 18 mL/s
- Flow sampling rate: 160 Hz
- Power supply: USB 5V or 4,2V battery
- Connection to PC: USB (Serial / RS232 available upon request)
- Device dimensions: 27 X 60 X 150 mm



**THOR**  
medical systems

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