Single-Use Liquid Flow Sensor

Fast, Precise and Reliable

- For advanced drug delivery and other biomedical applications
- Enhance your application with maximum safety, performance and reliability
- Fast detection of common failure modes
- Enables remote and continuous patient monitoring

www.sensirion.com/ld20

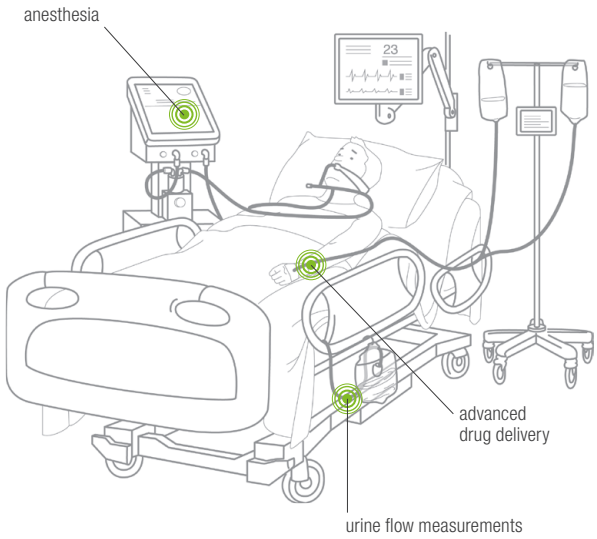
SENSIRION

1-900055-01 / 171007-LF-EN

Single-Use Liquid Flow Sensor LD20

FEATURES

- Bidirectional flow rate measurements from a few hundred µl/h up to 1000 ml/h
- Linearized, temperature-compensated and fully calibrated digital output signal (I^2C)
- Fast and reliable failure detection: occlusion, air-in-line and free flow
- Low power consumption for battery-powered applications
- Easy fluidic, electrical and mechanical integration
- Media isolated: no contact of the silicon chip with valuable drugs or body fluids
- Straight, unobstructed flow channel without moving parts
- Medical-grade, chemically resistant wetted materials
- Ethylene Oxide (EtO) sterilizable



TECHNOLOGY

- Using Sensirion's proven CMOSens® Technology
- Compact and cost-effective design
- Mature technology in mass production
- High reliability and long-term stability

APPLICATIONS

- Advanced infusion therapy
- Portable drug delivery devices
- Continuous urine flow measurement
- Critical and home care
- Surgical instruments
- Biopharmaceutical processes

SENSOR EVALUATION

For quick and easy testing, an LD20 evaluation kit is available via Sensirion's distribution network. It contains three LD20 sensors and three LD20 base stations for a convenient electrical connection to the sensor's contact pads. Sensirion's USB cable, required for the plug-and-play connection between the base station and a PC, needs to be ordered separately through distribution.

SENSOR VERSIONS AND CUSTOMIZATIONS

The LD20 series contains 2 sensor versions to cover flow rates from a few hundred µl/h up to 1000 ml/h: LD20-2600 (1000 ml/h) and LD20-0600 (20 ml/h). Please contact Sensirion to discuss customizations, should you have specific requirements regarding form factor, material or fluidic connection. Sensirion's experts can develop customized LD20 designs to fit a wide range of high-volume applications.