



VM400

The compact device solution for non-contact flow measurement in tunnels

GAS FLOW MEASURING INSTRUMENTS

SICK
Sensor Intelligence.



Technical data overview

Measured values	Air velocity, Direction of flow, temperature
Measurement principle	Ultrasonic transit time difference measurement
Conformities	RABT 2006
Enclosure rating	IP66 / IP67
Serial	✓
Type of fieldbus integration	RS-232
Function	Proprietary service interface
Ethernet	✓
Remark	VM400E only
Function	Connection to SOPAS ET software

Product description

The VM400 flow velocity measuring device is a compact and space-saving device solution for continuous point-to-point measurement of the air velocity in road and railway tunnels or comparable traffic infrastructure constructions. The VM400 can be assembled easily at nearly any point on tunnel walls. The measured values and status information are transmitted to a monitoring system via the integrated analog or digital interface, as well as via an Ethernet interface in the VM400E variant.

At a glance

- Modern ultrasonic technology for non-contact measurement
- Large measuring range
- Compact device design
- Very easy mounting and commissioning
- Immune to contamination

Your benefits

- Minimal wear and long maintenance intervals
- Reliable measurement even at low air velocity
- Low investment costs
- Minimum installation costs
- Easy integration into monitoring systems

Fields of application

- Flow measurement in road and rail tunnels
- Measured value recording for tunnel ventilation control

Ordering information

Other models and accessories → www.sick.com/VM400

- **Product segment:** Flow measurement technology, Traffic sensors
- **Product family group:** Gas flow measuring instruments, Tunnel Sensors
- **Product family:** VM400
- **Measurement principle:** Ultrasonic transit time difference measurement
- **Measured values:** air velocity, Direction of flow, temperature

Conformities	Communication interface	Communication Interface detail	Enclosure rating	Type	Part no.
RABT 2006	Serial Ethernet	RS-232	IP66 / IP67	VM400	On request

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com