

SENSING UNITS

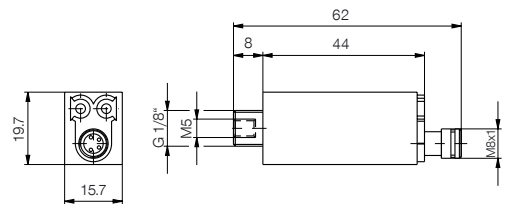
SERIES VS

► SERIES VS003E



► Special features

- Electronic vacuum switch
- Switching point and hysteresis adjustable
- Analog and digital outputs



► Technical Data

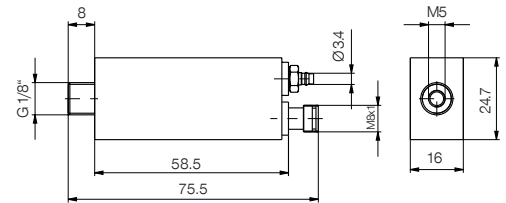
Order no.	VS003E-E2
Measuring medium	non-aggressive gases; dry, oil-free air
Measuring range [bar]	-1...0
Max. safe overpressure [bar]	5
Repetition accuracy [%]	+/- 1% from measuring range
Hysteresis	Adjustable: 3-25% of the set value
Output signal	1 analog 1..5V / 1 digital
Switching capacity [mA]	125
Response time [ms]	5.0
Status indication	LED
Electrical connection	Connector M8, 4-pole
Connection media	G1/8" -AG + M5-IG
Voltage [V DC]	10.8-30
Current consumption [mA]	30
Degree of protection [IP]	40/65 (with tube)
Temperature deviation	+/- 3% from measuring range
Allowable ambient temperature [°C]	0..50
Weight [kg]	18

► SERIES VS003D



► Special features

- Electronic vacuum switch with digital display
- Switching point and hysteresis freely programmable
- Special programmable functions
- Two separately programmable digital outputs



► Technical Data

Order no.	VS003D-E2
Measuring medium	non-aggressive gases; dry, oil-free air
Measuring range [bar]	-1...0
Max. safe overpressure [bar]	5
Repetition accuracy [%]	+/- 1% from measuring range
Hysteresis	adjustable: 0-100% of the set value/comparator mode
Output signal	2 digital
Switching capacity [mA]	180
Status indication	2xLED
Display resolution	0.01 bar, 5 mmHg, 0.2 inHg, 1 kPa
Displayed units	bar, mmHg, inHg, kPa
Displayed value	3-digital 7-segment LED
Electrical connection	Connector M8, 4-pole
Connection media	G 1/8" -AG + M5-IG
Voltage [V DC]	10.8-30
Current consumption [mA]	30
Degree of protection [IP]	40/65 (with tube)
Temperature deviation	+/- 3% from measuring range 0-50°C
Allowable ambient temperature [°C]	0..,50
Weight [kg]	25