



**SMARTSENSE<sup>®</sup>**  
**SSFM-100-AIR-  
FLOW-U30**

- Cost-efficient, low maintenance
- Easy installation
- Based on ultrasonic time-of-flight technology
- High accuracy and excellent repeatability.

## FEATURES

Specifically designed for tunnel applications, the SSFM-100-Airflow-U30 is a part of Becker Mining System's state-of-the-art smartsense® environmental monitoring system range.

Installed on both sides of a tunnel, the SSFM-100-AIRFLOW-U30 uses an ultrasonic time-of-flight method to measure air velocity. False alarms from short duration gusts are preventable via a built-in time delay (from 0-99 seconds). Only when wind speed reaches a preset value limit will the corresponding relay be triggered.

Remote visual and/or audible alarms are available via additional connections.

## TECHNICAL DATA

### ELECTRICAL DATA

Supply Voltage	24V, 16A
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### PERFORMANCE SPECIFICATIONS

Range normal	-30m/s to 30m/s
Sampling Path	5m ~ 25m
Accuracy	Wind speed $\pm 0.1$ m/s

### MECHANICAL DATA

Dimensions (L x W x H)	250mm x 210mm x 150mm
Weight	2.1 kg
Output	RS485 (MODBUS RTU) and 4-20mA output (load <500Ω)

### ENVIRONMENTAL DATA

Protection Class	IP66
Temperature Range	-30 - 65 °C

Technical data are limit values.

If the product is integrated into systems or operated in combination with other devices, its permissible operating values can deviate from these limit values. Subject to technical modifications without prior notice.

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