

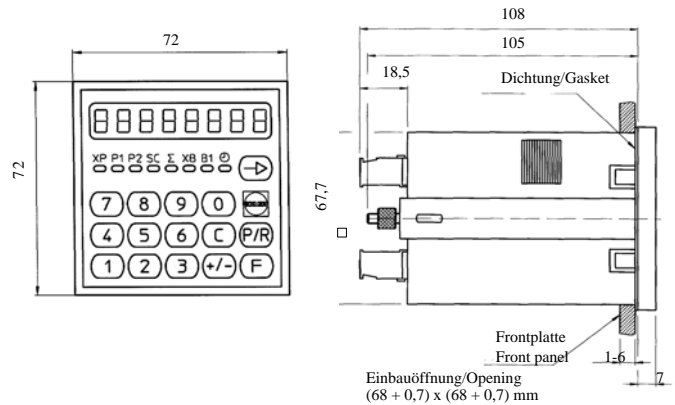
SCHMIDT®气体消耗-显示模块

Air-Consumption Display Unit

SS 20.031



尺寸/Physical Dimensions



产品描述

显示模块的 8 位 LED 显示屏，可直接连接到施密特®流量传感器 SS 20.60 和 SS 30.30x。该模块显示空气消耗率和瞬时空气流量。可通过按键来切换显示模块的显示模式。

该传感器测量信号将转换成相应的数字显示通过预先选择的管径，连接到传感器通过脉冲接口，传感器的模拟输出接口为连接中央控制系统。

在气体流量超过了预先输入值时，输出端口将被激活。消耗量将以脉冲信号形式输出

Product Description

8-digit panel meter for direct connection with the **SCHMIDT® Flow Sensors SS 20.60** and **SS 30.30x**. It displays the air-consumption volume or the actual air-flow rate. The desired display mode may be selected via push button.

The sensor measurement signal will be converted into the respective numerical display via pre-selectable scaling factors depending on tube diameter. The sensor pulse output is directly connected to the panel meter. The analog output of the sensor remains free for further applications.

An electronic switched output of the panel meter is available for threshold detection of the flow rate as well as a pulse output for counting the consumption volume.

应用举例

- 压缩空气消耗量的测量
- 压缩空气消耗成本计算
- 使用压缩气体仪器的压缩气体消耗量计算
- 压缩空气系统的泄漏检测
- 洁净室和净化工厂的气流控制
- 大型燃烧设备和内燃机的空气流量测量

Applications

- Compressed-air consumption metering in production facilities
- Compressed-air consumption accounting per cost center
- Consumption monitoring of hydropneumatically driven machines
- Leakage detection in compressed-air systems
- Air-flow control in clean rooms and purification plants
- Air-massflow control of burners and combustion engines

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Air-Consumption Display Unit SS 20.031



技术数据		Technical Data	
显示器	LED红, 8位, 字体高度 7,6 mm	Display	LED red, 8-digit, figure height 7.6 mm
输入	SS 20.60 或SS 30.30x的 计数脉冲输出	Input	Counting pulses according to SS 20.60 oder SS 30.30x pulse output
脉冲频率	100 Hz max.	Pulse frequency	100 Hz max.
脉冲输出	消耗量计数器 晶体管 pnp 24 V/50 mA max.	Pulse output	Consumption-volume counter Transistor pnp 24 V/50 mA max.
开关输出	流量的阈值检 晶体管 pnp 24 V/50 mA max.	Switched output	Threshold detection of flow rate Transistor pnp 24 V/50 mA max.
功能	测量值显示 可选择	Function	Measurement display selectable
- 流量	显示 8位 max. 显示单位 [Nm ³]	- Consumption volume	Display 8-digit max. Display units [Nm ³]
- 流速	显示 6位 max. 显示单位 [Nm ³ /h]	- Flow rate	Display 6-digit max. Display units [Nm ³ /h]
程序设计	通过键盘输入的数值取决于管径和传感器的 量程范围	Programming	Input of parameter values via numerical keys depending on tube diameter and sensor measuring range
数据存储	10年 最少 数值和输入参数	Data storage	10 years min. for counts and input parameters
安装	在前面板框架安装	Mounting	Front panel mounting with stenter frame
工作电压	24 V DC ± 10 %	Supply voltage	24 V DC ± 10 %
功率消耗	6 W (无外部负载)	Power consumption	6 W (without external load)
工作温度	0 ... + 50 °C	Operating temperature	0 ... + 50 °C
电子链接	插入式螺旋端子 2 x 11-polig	Electrical connections	Plug-in screw terminal 2 x 11-wire
外壳材料	聚碳酸酯 黑色	Housing material	Polycarbonate black
阻燃性	UL 94 V-0	Flame resistance	UL 94 V-0
保护级别	正面 IP 65, 背面IP 20	Enclosure class	Front IP 65, Rear IP 20
尺寸 (B/H/T)	72 x 72 x 108 (mm)	Physical dimensions (W/H/D)	72 x 72 x 108 (mm)
重量	大约 320 g	Weight by mass	approx. 320 g

Anschlussbild/Electrical Connections

