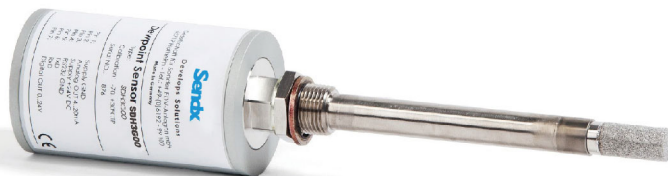


## 工业级 露点变送器 (气体) Dew Point Sensor



## SDH3G00系列

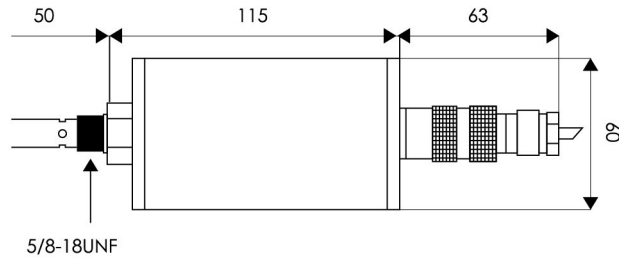
应用于压缩空气干燥机、电力气体检测、  
塑料干燥机、空调系统、燃气轮机、  
集装箱船舶和各种工艺气体水分测量

- 在线测量空气中和腐蚀性气体中的绝对含水量
- 开关输出可编程，用于警报信号
- 冷镜式露点传感器对比校准
- 结构坚固可靠，防护等级IP65，可根据要求提供防爆设计
- 响应时间快，介质兼容性高
- 系统压力可达300bar (4350psi)

### 技术参数 Technical Parameter

| 参数     | Specifications                | 技术指标 Technical Data                                                                                               |
|--------|-------------------------------|-------------------------------------------------------------------------------------------------------------------|
| 露点范围   | Measuring Ranges dew points   | -80 °C dp ~ +20 °C dp<br>-100 °C dp ~ +20 °C dp                                                                   |
| 输出信号   | Output signal                 | 4~20 mA, max. burden 1 kΩ<br>RS 232 data I/O for connection of a computer<br>switching output 24 VDC, max. 100 mA |
| 电气连接   | Electrical connection         | circular connector, 7 - pin, type Binder 723                                                                      |
| 连接螺纹   | Connection thread             | 5/8-18UNF, width across flats: 22mm                                                                               |
| 精度     | Measurement accuracy          | ±2 °C dp                                                                                                          |
| 耐压值    | Endurance pressure            | max. 300 bar                                                                                                      |
| 电源电压   | Supply voltage                | 24VDC (18~28VDC)                                                                                                  |
| 测量温度范围 | Measurement range temperature | -20 ~ +60 °C                                                                                                      |
| 工作温度范围 | Operating temperature range   | -20 ~ +60 °C                                                                                                      |
| 保护管材质  | Protection sleeve             | sintered-metal protection filter, high-quality steel 80 μm                                                        |
| 防护等级   | Protection type               | IP65                                                                                                              |
| 兼容的介质  | Medium compatibility          | various gases and gas mixtures (see "Sensor contamination list")                                                  |
| 重量     | Weight                        | about 450 g                                                                                                       |

## 外形尺寸图 Dimensions



## 选型表 Model code

SDH3G X X - X

### 机械连接: Mechanical Connection

7= 5/8-18 UNF (male)

2= G1/2 thread adapter (internal thread 5/8-18 UNF to G1/2 external thread)

M= 客户订制

### 量程 Range

4= -80 °C dp ~ +20 °C dp

6= -100 °C dp ~ +20 °C dp

### 测管长度 Measuring pipe length in mm

5 = 50 mm (standard)

6 = 169 mm (available when the measuring range selection -80 °C dp ~ +20 °C dp)

8 = 425 mm (available when the measuring range selection -80 °C dp ~ +20 °C dp)

M = 客户订制

非标准长度请提前与厂商确认

## 接线定义 Pin connections

| Pin | Signal           | Description                                        |
|-----|------------------|----------------------------------------------------|
| 1   | GND              | supply connection earth                            |
| 2   | analog output    | 4~20 mA                                            |
| 3   | +24VDC           | Supply connection 18~28VDC                         |
| 4   | RS232 GND        | data interface RS232 earth connection              |
| 5   | RS232 TxD        | data output RS232                                  |
| 6   | RS232 RxD        | data input RS232                                   |
|     | switching output | switching output, open or connected to supply +24V |
| 7   | 24VDC/max.70mA   | +24V                                               |