



RHT Climate

相对湿度和温度变送器



- ✓ 高精度
- ✓ 大屏幕显示
- ✓ 可组态模拟输出
- ✓ USB或者键盘设置
- ✓ 报警输出内置蜂鸣器



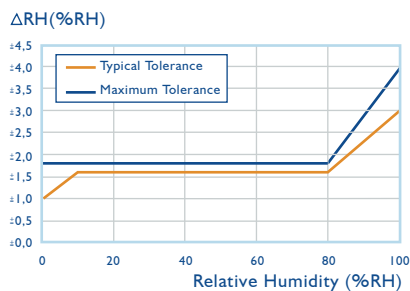
RHT Climate传感器具有高精度以及用于相对湿度和温度测量的稳定性传感器，并可通过两个模拟输出或RS485 Modbus RTU通信来传输两种信号。设备允许通过USB接口进行完整的参数配置，温度和湿度模拟量输出配置，RS485传输信号配置，仪器诊断通过 NXperience 软件配置。RHT Climate 带显示和不带显示，用于墙装或者风管安装，带各种探头长度。

典型应用

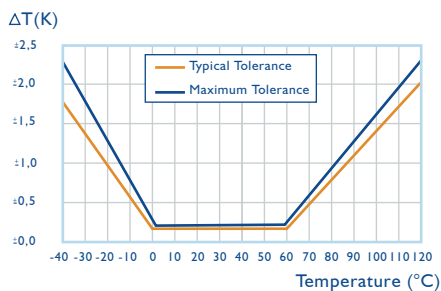
RHT Climate 适用于暖通空调的一般应用，即环境监测或气候控制，甚至工业过程的环境监测，需要坚固性、准确性和易于连接性。

测量精度和传感器工作环境

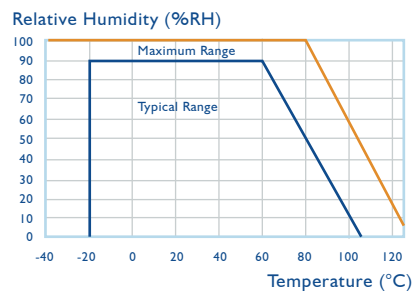
湿度精度



温度精度



传感器操作工况



RHT Climate 可以设置显示和信号输出温度、湿度、以及下面的任意测量计算结果：

- 露点温度
- 湿球温度
- 绝对湿度
- 雾点温度
- 焓, Specific Enthalpy
- 水汽分压
- 混合比



技术规格

传感器测量范围:	温度:	-40,0 °C to 100,0 °C (DM models) -40,0 °C to 60,0 °C (WM models)
	湿度:	0.0 to 100.0 %RH (non-condensing)
	露点:	-90,0 °C to 100,0 °C
分辨率:	温度:	0,1 °C, 14 bits (65535 levels)
	相对湿度:	0,1 %, 12 bits (4095 levels)
响应时间:	温度:	up to 5 sec @ 25 °C with slow moving air (1 m/s)
	相对湿度:	up to 4 sec @ 25 °C with slow moving air (1 m/s)
测量精度:	温度:	±0,2 °C (0 °C to +60 °C)
	相对湿度:	±1,8 %RH @ +23 °C (0 %RH to 90 %RH)
采样间隔:	3 seconds	
模拟输出:	2路 0-10 V or 4-20 mA 输出可设置	
电源:	By Connectors:	12 Vdc to 30 Vdc; maximum consumption 70mA +/- 10% @ 24Vdc
	By USB:	4.75 Vdc to 5.25 Vdc
显示:	Wide backlight LCD with three variables of 4 ½ digits	
键盘:	3 keys with tactile feedback for navigation and adjustment of parameters	
报警:	2路数字输出; 1个内置蜂鸣器	
操作温度:	-40 °C to 60 °C	
连接方式:	Internal terminals through cable glands	
外壳尺寸:	100.3 x 80.0 x 45.1 mm	
	ABS+PC	
防护等级:	外壳:	IP65
	传感器:	IP30, depending on the filter cap
通讯界面:	USB type Micro-B 2.0 and RS485 (both in Modbus RTU)	
编程:	NXperience software for Windows through USB	

型号

8804000000 8804000010	TRANSMITTER RHT Climate WM (墙装)
8804000101 8804000111	TRANSMITTER RHT Climate WM-L
8804111000 8804111001	TRANSMITTER RHT Climate WM-485-LCD
8804111101 8804121000	TRANSMITTER RHT Climate WM-485-LCD-L
8804121001 8804121101	TRANSMITTER RHT Climate DM-150S STAINLESS STEEL PROBE
8804131000 8804131001	TRANSMITTER RHT Climate DM-150S-485 STAINLESS STEEL PROBE
8804131101	TRANSMITTER RHT Climate DM-150S-485-LCD STAINLESS STEEL PROBE
	TRANSMITTER RHT Climate DM-250S STAINLESS STEEL PROBE
	TRANSMITTER RHT Climate DM-250S-485 STAINLESS STEEL PROBE
	TRANSMITTER RHT Climate DM-250S-485-LCD STAINLESS STEEL PROBE
	TRANSMITTER RHT Climate DM-400S STAINLESS STEEL PROBE
DM为风管安装	TRANSMITTER RHT Climate DM-400S-485 STAINLESS STEEL PROBE
WM为墙装型	TRANSMITTER RHT Climate DM-400S-485-LCD STAINLESS STEEL PROBE