

Trasmettitori di Umidità e Temperatura



Psicrometria

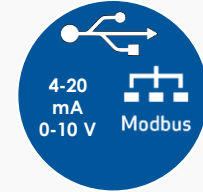


Software

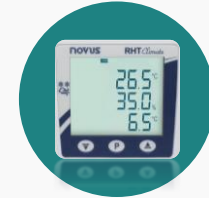


Allarme e Cicalino

RHT Climate



Interfacce versatili



**Ampio display
retroilluminato**



Alta precisione

novus

We Measure, We Control, We Record

Trasmettitori di Umidità e Temperatura

GAMMA



-40.0 to +100.0 °C (Montaggio condotto)

-40.0 to +60.0 °C (Montaggio a parete)

0.0 to 100.0 %RH (senza condensazione)



PRECISIONI

Temperatura
 ± 0.2 °C

Umidità
 ± 1.8 %RH

Psicrometria

- Temperatura del punto di rugiada
- Temperatura della lampadina bagnata
- Umidità assoluta
- Temperatura del punto di congelamento
- Entalpia specifica
- Pressione parziale del vapore
- Rapporto di miscelazione



Software di configurazione

NXperience



**Facile
configurazione**



**Configurazione e
simulazione di
ingressi e uscite**

The screenshot displays the NOVUS software interface, which is divided into several sections:

- NOVUS IHM**: The main interface with a sidebar containing icons for configuration, diagnostics, and simulation.
- Cycle View**: A section with checkboxes for configuring various outputs and functions:
 - ☒ Analog Output 1
 - ☒ Analog Output 2
 - ☒ Alarm 1
 - ☒ Alarm 2
 - ☒ Alarm 3 (Buzzer)
 - ☒ HMI
 - ☒ Diagnostics
 - ☒ Communication
 - ☒ Configuration
 - ☒ Information
- Keyboard**: A section for configuring keyboard functions:
 - 2nd function of Up key: none
 - 2nd function of Up Down: none
- Diagnosis**: A section showing the status of various outputs and alarms:
 - Output 1**: Mode: 4-20 mA, Output Current: 10.0 mA
 - Output 2**: Mode: 4-20 mA, Output Current: 20.0 mA
 - Alarm Output 1**: Off
 - Alarm Output 2**: Off
 - Buzzer**: Off
- Simulation**: A section showing the status of various inputs and outputs:
 - Temperature**: -40.0 °C to 100.0 °C
 - Relative Humidity**: 0.0 % to 100.0 %
 - Temperature**: 23.0 °C
 - Relative Humidity**: 33.5 %
 - Dew Point**: 6.1 °C
 - Wet Bulb Temperature**: 13.7 °C
 - Absolute Humidity**: 6.9 g/m³
 - Frost Point**: 6.1 °C
 - Partial Vapor Pressure**: 9.4 mbar
 - Enthalpy**: 38.2 kJ/kg
 - Mixing Ratio**: 5.8 g/kg



**diagnosi degli
allarmi e I/O**



**Aggiornamento
del firmware**

novus

We Measure, We Control, We Record

Guida alla selezione



RHT-WM



RHT-WM-485-LCD



RHT-XS



RHT-P10



RHT-Air



RHT Climate WM



RHT Climate WM LCD



RHT-DM



RHT-DM-485-LCD



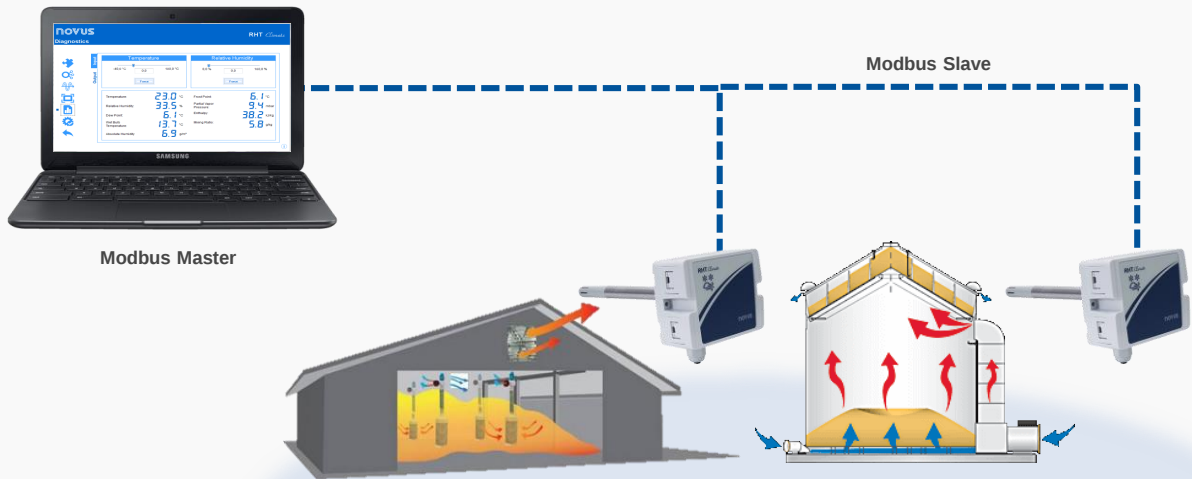
RHT Climate DM



RHT Climate DM LCD

Input Type		RHT integrated probe		RHT extended probe (3 m cable)	RHT extended probe for flange mount (3 m cable)	RHT integrated probe		RHT integrated probe		RHT integrated probe (Lenght Options: 150, 250 and 400 mm)		RHT integrated probe (Lenght Options: 150, 250 and 400 mm)	
Measurement Range	Temperature	-40 to 120 °C	-40 to 100 °C	-40 to 120 °C		-40 to 100 °C		-40 to 60 °C		-40 to 120 °C	-40 to 100 °C	-40 to 100 °C	
	Humidity	0 a 100% RH		±2 °C		0 a 100% RH		±0.2 °C (0-60 °C)		0 a 100% RH		±0.2 °C (0-60 °C)	
Measurement Accuracy	Temperature	±3% (20-80 °C) and ±5% (0-100 °C)		0.1 °C (14 bits)		±1.8% (0-90%) and ±4% (0-100%)		±1.8% (0-90%) and ±4% (0-100%)		±3% (20-80 °C) and ±5% (0-100 °C)		±1.8 % (0-90%) and ±4 % (0-100%)	
	Humidity	0.1 °C (14 bits)		0.1% (12 bits)		0.1 °C (14 bits)		0.1% (12 bits)		0.1 °C (14 bits)		0.1 °C (14 bits)	
Measurement Resolution	Temperature	0.1 °C (14 bits)		0.1% (12 bits)		0.1 °C (14 bits)		0.1% (12 bits)		0.1 °C (14 bits)		0.1% (12 bits)	
	Humidity	4-20 mA (20-4 mA) or 0-10 V		4-20 mA or 0-10 V		4-20 mA (20-4 mA) or 0-10 V (10-0 V)		4-20 mA (20-4 mA) or 0-10 V (10-0 V)		4-20 mA (20-4 mA) or 0-10 V		4-20 mA (20-4 mA) or 0-10 V (10-0 V)	
Analog Outputs		OUT1: 0.006 mA or 0.003 V OUT2: 0.022 mA or 0.015 V		OUT1: 0.006 mA or 0.003 V OUT2: 0.022 mA or 0.015 V		0.006 mA or 0.003 V		0.006 mA or 0.003 V		OUT1: 0.006 mA or 0.003 V OUT2: 0.022 mA or 0.015 V		0.006 mA or 0.003 V	
Response Time	Temperature	30 s		8 sec (air speed 1 m/s)		5 s		30 s		5 s		8 sec (air speed 1m/s)	
	Humidity	4-20 mA isolated 0-10 V not isolated		4-20 mA isolated 0-10 V not isolated		4 sec (air speed 1m/s)		4-20 mA isolated 0-10 V not isolated		8 sec (air speed 1m/s)		4 sec (air speed 1m/s)	
Isolation		LCD with 2 indications		LCD with 2 indications		LCD with 2 indications		Backlight LCD with 3 indications		LCD with 2 indications		Backlight LCD with 3 indications	
Display		Dew Point		Dew Point indication		Dew Point		Dew Point		Dew Point		Dew Point indication	
Advanced Functions		Battery Level Dew Point indication		Psychrometric Properties, Buzzer for Alarm, 2 Alarm Outputs, Max and Min Values, Input Simulation, Output Simulation, Custom Calibration		Psychrometric Properties, Buzzer for Alarm, 2 Alarm Outputs, Max and Min Values, Input Simulation, Output Simulation, Custom Calibration		Psychrometric Properties, Buzzer for Alarm, 2 Alarm Outputs, Max and Min Values, Input Simulation, Output Simulation, Custom Calibration		Psychrometric Properties, Buzzer for Alarm, 2 Alarm Outputs, Max and Min Values, Input Simulation, Output Simulation, Custom Calibration		Psychrometric Properties, Buzzer for Alarm, 2 Alarm Outputs, Max and Min Values, Input Simulation, Output Simulation, Custom Calibration	
USB Configuration		by TxConfig adapter		by TxConfig adapter		internal Micro-B type		Micro-B type		by TxConfig adapter		Micro-B type	
Communication Interface		RS485 Modbus RTU		IEEE 802.15.4		Optional RS485 Modbus RTU		by TxConfig adapter		RS485 Modbus RTU		Optional RS485 Modbus RTU	
Configuration Software		TxConfig		DigiConfig		TxConfig		DigiConfig		TxConfig		DigiConfig	
Certifications		CE		Anatel / FCC		CE		CE		CE		CE	
Operating Conditions (Enclosure)		-10 to 65 °C 0 to 95% RH		-40 to 70 °C 0 to 95% RH		-10 to 65 °C, 0 to 95% RH		-10 to 70 °C 0 to 95% RH		-40 to 60 °C, 0 to 95% RH		-10 to 65 °C 0 to 95% RH	
Power Supply		12-30 Vdc (18-30 Vdc)		12-30 Vdc		12-30 Vdc (18-30 Vdc)		12-30 Vdc or 3.6 V Lithium Battery		12-30 Vdc		12-30 Vdc (18-30 Vdc)	
Dimensions	Box	70 x 60 x 35 mm		70 x 60 x 35 mm		100 x 80 x 45 mm		70 x 60 x 35 mm		100 x 80 x 45 mm		70 x 60 x 35 mm	
	Probe size	39 mm		124 mm		½" NPT Ø 75 mm		39 mm		52 mm		150, 250 and 400 mm	
Protection Rating		Box IP65, Probe IP40		Box IP65, Probe IP40		Box IP65, Probe IP30 or IP40		Box IP65, Probe IP40		Box IP65, Probe IP40		Box IP65, Probe IP30 or IP40	

Applicazioni principali



Cibo e Bevande



Industria farmaceutica



Meteorologia

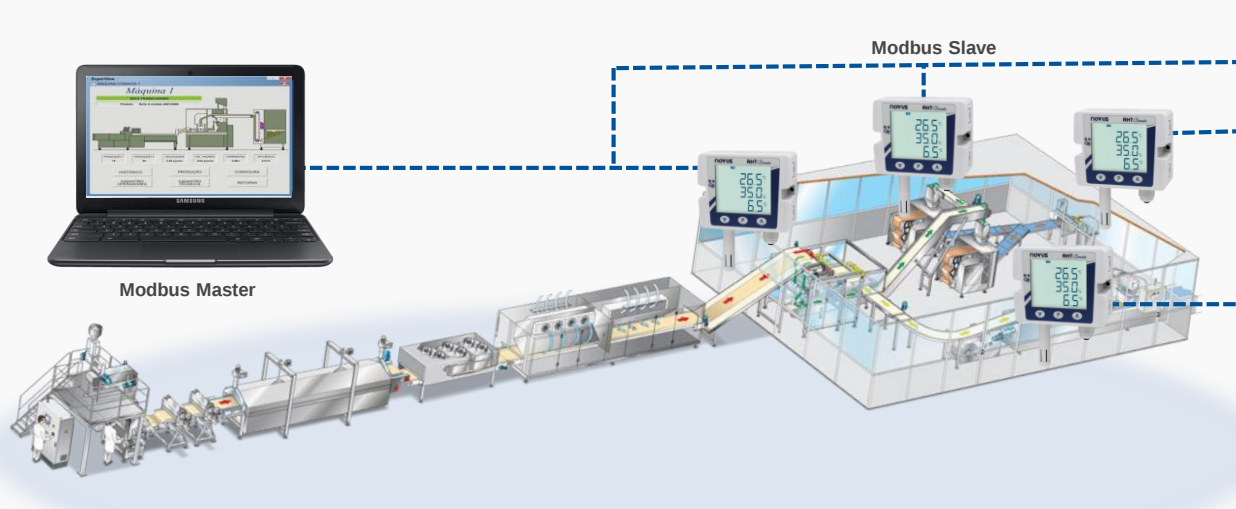


Agricoltura

NOVUS

We Measure, We Control, We Record

Applicazioni principali



Cibo e Bevande



Industria farmaceutica



Meteorologia



Agricoltura