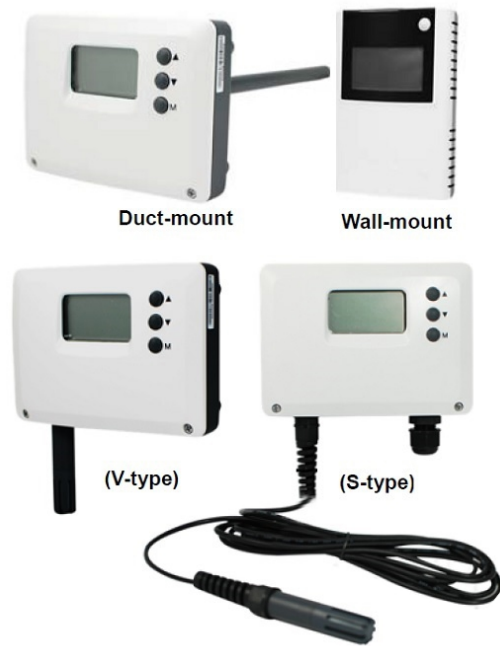


Temperature & Humidity Transmitter

AHT-□□□□-□□□□

Code	Function	Code	Installation	Code	Signal output	Code	Display
301 501	Temp.	W	Wall-mount	A	4-20mA	X	No
302 502	Humidity	D	Duct-mount	2	0-10V/0-5V/1-5V (AHT-500 series only)	D	Yes
303 503	T+H	V	Outside air	4	RS485*		
304 504	H+D.P.)	S	Separated				
305 505	T+D.P.						

* RS485 is only for AHT-303 of AHT-300 series.



Features

- ◆ Rapid response time, high stability, high accuracy
- ◆ Microprocessor technology allows compact design, power saving and anti – interf
- ◆ Streamline shape and elegant design
- ◆ Complete product line and multifunction for various applications
- ◆ RS485 (Modbus RTU) is available

Specifications

Model	AHT-301	AHT-501	AHT-302	AHT-502	AHT-303	AHT-503	AHT-304	AHT-504	AHT-305	AHT-505
Measurement	Temperature		Humidity		Temperature + Humidity		Humidity + Dew point		Temperature + Dew point	
Signal output	4~20mA	4~20mA, 0~10V/0~5V /1~5V, RS485	4~20mA	4~20mA, 0~10V/0~5V /1~5V, RS485	4~20mA, RS485	4~20mA, 0~10V/0~5V/1 ~5V, RS485	4~20mA	4~20mA, 0~10V/0~5V /1~5V, RS485	4~20mA	4~20mA, 0~10V/0~5V /1~5V, RS485
Installation	Wall-mount	Duct-mount/ Outside air/ separated	Wall-mount	Duct-mount/ Outside air/ separated	Wall-mount	Duct-mount/ Outside air/ separated	Wall-mount	Duct-mount/ Outside air/ separated	Wall-mount	Duct-mount/ Outside air/ separated
Loading resistance	Current output: $R_L < 500\Omega$ at 24V DC Voltage output: $R_L > 2.5K\Omega$ at 24V DC									
Measurement range	T: 0~100°C, 0~50°C, -50~+50°C		0~100%RH		T: 0~100°C, 0~50°C, -50~+50°C H: 0~100%RH		H: 0~100%RH D.P.: 0~50°C		T: 0~100°C, 0~50°C, -50~+50°C D.P.: 0~50°C	
Accuracy	T: $\pm 0.3^\circ\text{C}$		A: $\pm 2\%\text{RH}$ B: $\pm 3\%\text{RH}$		A: T: $\pm 0.3^\circ\text{C}$ H: $\pm 2\%\text{RH}$ B: T: $\pm 0.4^\circ\text{C}$ H: $\pm 3\%\text{RH}$		H: $\pm 2\%\text{RH}$		T: $\pm 0.3^\circ\text{C}$	
Sensing element	CMOSens sensor									
Response time	< 10 sec. (20% to 80% of range)									
Protection	Wall-mount: IP30; Duct-mount/Outside air/ separated type: IP65									
LCD display	Optional									
Power supply	15~30V DC									
Case material	ABS fireproof									
Environmental	Temperature: -20~+60°C; Humidity: 0~95%RH (non-condensing)									

*All information is subject to change without prior notice.