

SPECIFICATIONS

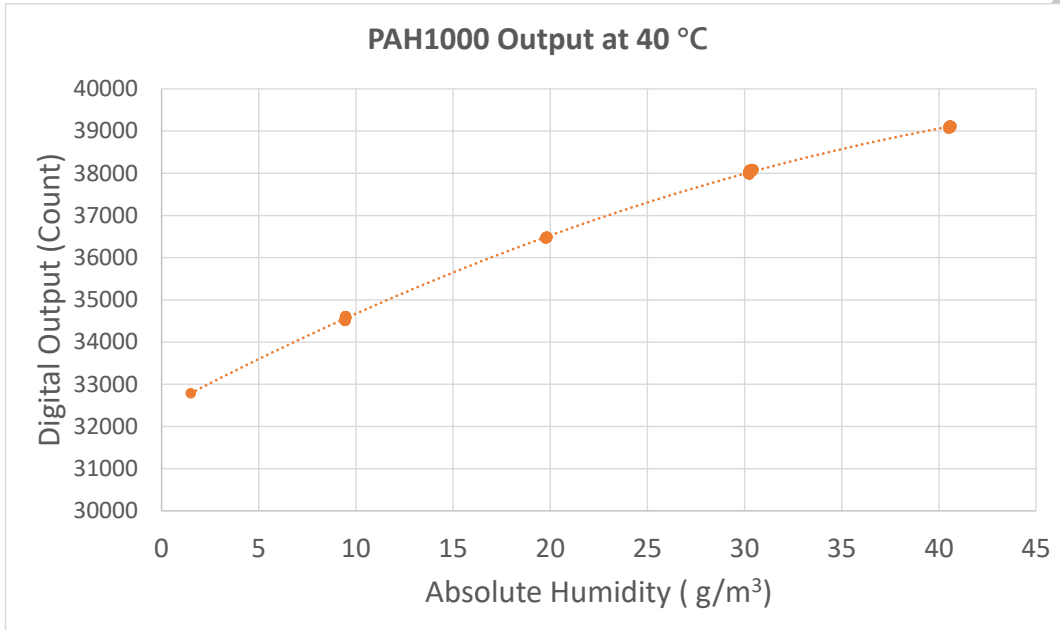
Test Conditions: $V_{in}=5\pm 0.01$ VDC, $T_a = 40$ °C, Pressure = 101.3 KPa

SPECIFICATIONS	MIN	TYP	MAX	UNIT	CONDITIONS
Output Range	0 to 65535			Count	16-bit digital output
Output at 40 °C, 1.5 g/m ³		32768		Count	at 101.3 KPa
Output at 40 °C, 35 g/m ³		38768		Count	at 101.3 KPa
Resolution at 40 °C		160		Count / g/m ³	at 101.3 KPa
Operating Temperature	-20		125	°C	
Temperature Compensation ¹	40		95	°C	
Accuracy		1		g/m ³	at 40 °C, 101.3 KPa
Response Time		1.2		Second	
Supply Voltage (V)		5		Vdc	
Supply Current	6		43	mA	

Notes:

1. Sensor output at ambient temperature above 40°C and below 95°C will be normalized to the sensor's 40°C output curve.

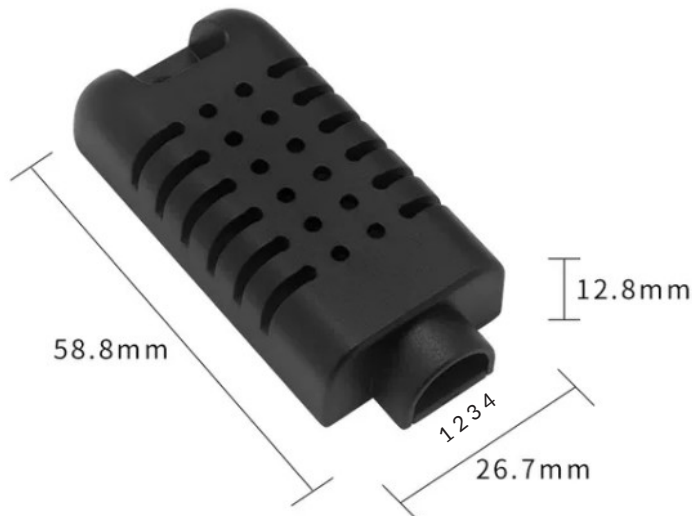
OUTPUT DESCRIPTION



Humidity (g/m³)	Count
1.5	32786
10	34671
25	37307
30	37989
35	38773
40	39130

PACKAGE DIMENSIONS

PAH1001



Pin	Description
1	Vdd
2	GND
3	SDA
4	SCL

ORDERING INFORMATION

PART NUMBER	SPECIFICATIONS
PAH1001	-20 to 80 °C, Integrated Package
PAH1002	-20 to 125 °C, Sensing Element and Control Circuitry in Separate Packages

Please contact Posifa to place an order.

PRELIMINARY