

DS4000 Series

Specifications

Model	DS4000 (Humidity only)	DS4000NH (Temperature and humidity)
Humidity sensor	SY-HC-1	
Temperature sensor	None	Thermistor (NTC10K)
Supply voltage	5VDC	
Current consumption	Max. 1.5mA	
Temperature coefficient	-0.15%/RH/°C	
Operation temperature	-40°C ~ 65°C	상온센서 : -40°C ~ 65°C 저온센서 : -40°C ~ 65°C, 85°C, 95°C, 105°C, 125°C
Operation humidity	0 ~ 100%RH(non-condensing)	
Humidity output	2670±62 mV (at 25°C, 60%RH)	
Response time	15 sec.	
Humidity accuracy	±3%RH (at 25°C, from 25%RH to 90%RH)	
Temperature output	None	Resistance output
Temperature accuracy	None	R(25°C) = 10kΩ±1% B = 3435
Storage Temperature	-40 ~ 65°C	
Storage Humidity	0 ~ 100%RH	

5%Rh : 410mV 50%Rh : 2350mV

10%Rh : 730mV 55%Rh : 2510mV

15%Rh : 985mV 60%Rh : 2670mV

20%Rh : 1230mV 65%Rh : 2820mV

25%Rh : 1430mV 70%Rh : 2970mV

30%Rh : 1640mV 75%Rh : 3120mV

35%Rh : 1830mV 80%Rh : 3260mV

40%Rh : 2000mV 85%Rh : 3405mV

45%Rh : 2185mV 90%Rh : 3545mV

DS4000



DS4000NH

