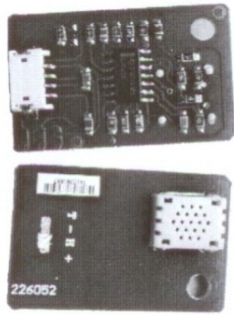


Humidity Module

S3 Humidity Module using Thin film polymer humidity capacitor, Small size, SMT technics, Humidity measuring inside equipment, air-condition etc.

PECULIARITY

- ◇ Thin film polymer humidity capacitor
- ◇ Voltage signal output, linearity responds
- ◇ Excellent stabilization, high accuracy
- ◇ Small size



TECHNICAL INFORMATION

Measure range	0%RH~100%RH
Output	0.38~3.48V (equal measuring range)
Accuracy	$\leq \pm 4\%RH$ (@ 25°C, 30%RH~80%RH)
Consume	$< 1.5mA$
Power supply	5V DC $\pm 2\%$
Working temperature	0°C~+50°C
Storage temperature	-20°C~+50°C (without condensation)
Connection	4PIN space between 1.5 mm
Signal set up time	$< 5s$
Humidity module	S128 humidity capacitor
Temperature module	Thermistor ($R_{25}=50K, 4000$)

ENTERPRISE STANDARD

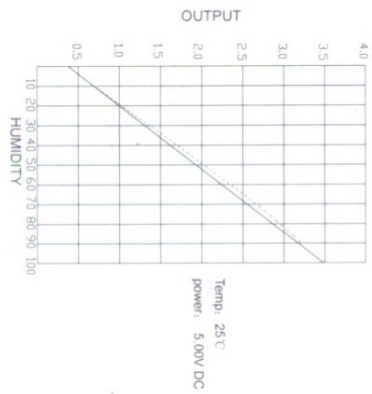
Enterprise Standard 《 Humidity Transmitter 》, Q/YQ111 003-2002, therinto change the measure precision from $\pm 2\%RH$ to $\pm 4\%RH$.

HUMIDITY SPECIALITY DATA

5.0V DC Power supply, 25°C

	10%RH	20%RH	30%RH	40%RH	50%RH	60%RH	70%RH	80%RH	90%RH
	0.70V	1.05V	1.39V	1.72V	2.05V	2.37V	2.68V	2.95V	3.21V

OUTPUT and MEASURING RANGE



OUTPUT and MEASURING RANGE

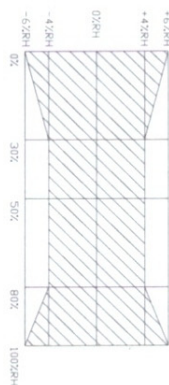
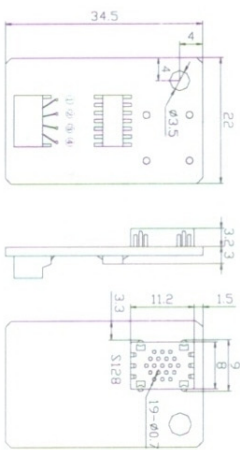
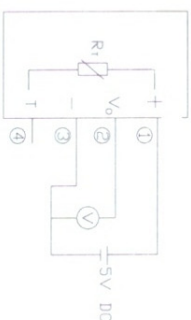


FIGURE (mm)



CONNECTION



GUARANTEE

12 month. Damage due to exceptional operating conditions, careless handling or misapplication will void the guarantee.

NOTICE

The mounting direction of soleplate should be attended.
Be sure to cut off the power supply before mounting and changing transmitter.
Avoid the following: close proximity of the transmitter to a heating element, a cold or hot wall, direct exposure to sun rays, etc.
It will be necessary to calibrate the transmitter when it is using above 12 month.

