

HUMIDITY SENSORS : TYPE HU10

RELATIVE HUMIDITY TRANSMITTER UNIT

DESCRIPTION:

Non-refresh type humidity sensor made of polymer with transmitter.

FEATURES:

- Ready to use design
- Temperature compensated
- Operation up to 100%RH
- Good long term reliability
- Easy installation
- Cost effective performance
- Typical applications include humidity monitors, humidity controlles, air conditioners, humidifiers, dehumidifiers, automatic ventilation

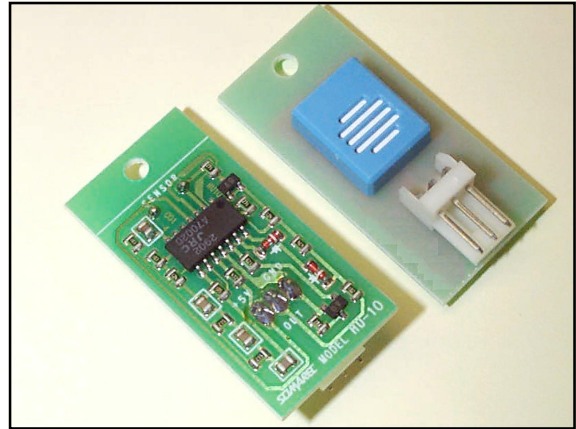
DATA:

	HU1012NA	HU1015NA
Sensing element	HS12P	HS15P
Working voltage	$5 \pm 0.2\text{Vd.c.}$	
Operating temperature	0 - 50°C	
Operating humidity	10 - 90%RH	10 - 100%RH
Storage temperature	-30 - +50°C	-40 - +85°C
Maximum current	2mA	
Output voltage	1.0 - 3.0V d.c.	
Accuracy	$< \pm 5\%RH$	
	$< \pm 10\%RH$	
dependence 5-45 °C/30-80% RH	$< \pm 5\%RH$	
Typical response time	1 minute	5 minutes

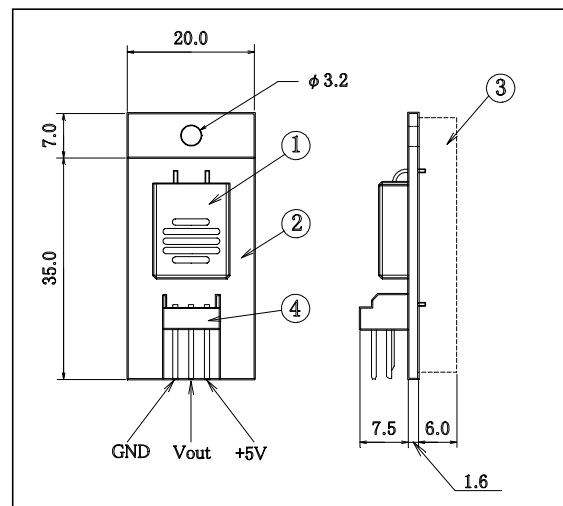
CODING:

HU1012NA: quick response type

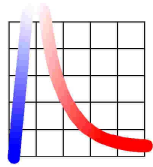
HU1015NA: water resistant type



DIMENSIONS:



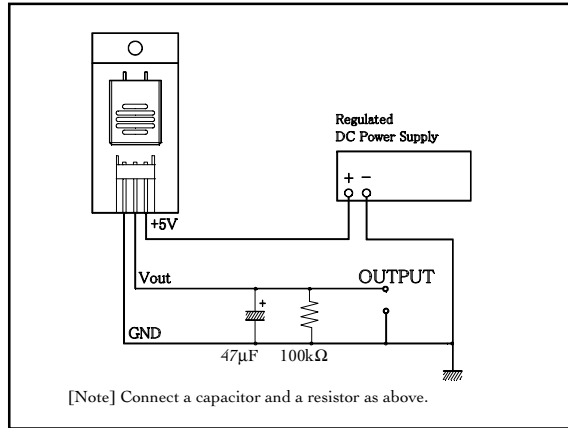
1. Humidity sensor HS12P or HS15P
2. Printed board Glass epoxy, 1.6mm thick
3. Parts mounted area
4. Connector AMP 171826-3



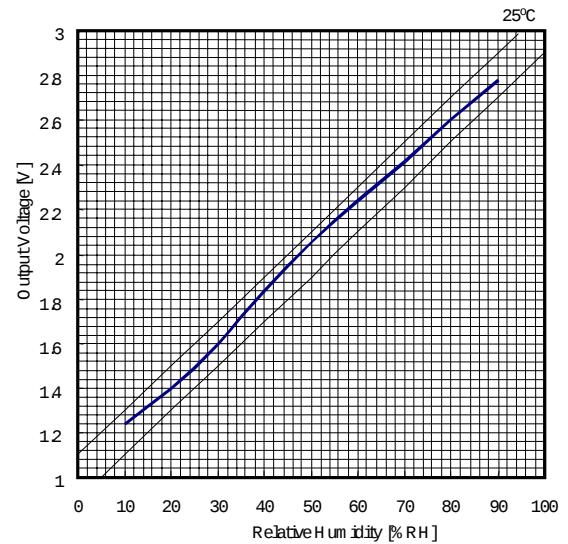
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MEASUREMENT CIRCUIT:



TYPICAL OUTPUT CHARACTERISTICS:



WARNING:

Use only within the specified ratings.
Do not disassemble and change any parts.