

# Gas sensor of temp. and humi.

# HRTU-100

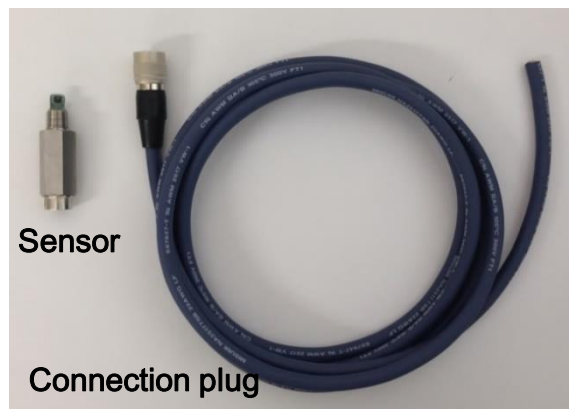
Small relative humidity sensor (%RH)

The temperature and humidity of the gas inside the pipe can be measured.

High-performance semiconductor temperature humidity sensor is being used for the detection part.

## Summary

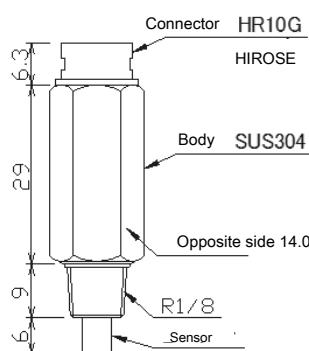
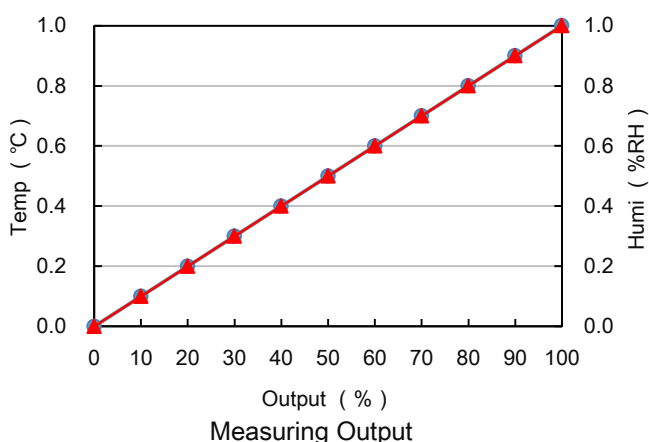
- The temperature and the humidity can be measured at the same time.
- Measurement output is analog "0-0.8V".
- The optional monitor who indicates a measured value can be connected.



## Specifications

Device under test	Gas
Using Pressure	-30-500kPa
Withstanding Pressure	-80 ~ 1100kPa 30min
Sensor Connection	Rc1/8
Power Source	3.3V ±5% 10mA DC
Accessory	Connection plug (with 2m cord)
Options	<ul style="list-style-type: none"><li>• Monitor (HRTU-M)</li><li>• Analog/Serial Converter</li></ul>

Measuring Range	Temp : 0-80°C Humi : 5-95 %RH
Accuracy	Temp : 5-60 °C±0.3°C Humi : 20-80 %RH±2% ※without freeze and dew condensation on the sensor
Measuring Output	Temp : 0 ~ 100°C/0 ~ 1 V Humi : 0 ~ 100%RH/0 ~ 1 V separation capacity 12bit
Output offset error	±0.02% Max 0.75%FS
Output gain error	-0.10% Max±2%FS
Output gain error drift	-3ppm/°C



Outline drawing of the Sensor



※ Specifications may change without notice.

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