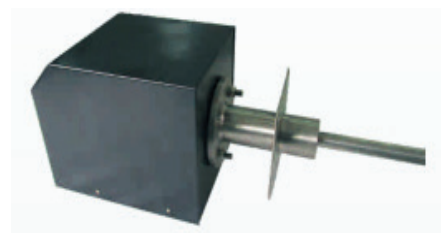
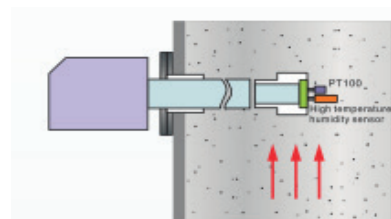


Hygrom is also known as humidity or dew point analyzer for measuring pollutant emission flue gas humidity whereby wet gas concentration being converted to dry gas concentration, also used for industrial on-line moisture monitoring. H-100 hygrom has built-in high precision capacitive type digital temperature and humidity sensor. It is probe rod type independent installation style at present. The sensor is in contact with flue gas in the chimney, while probe should be heated in order to prevent condensation influence to the moisture measurement of flue gas. After flue gas contacting with measurement chip, chip changes capacitance value, thus obtains flue gas concentration.



### Application

- High temperature and humidity measurement in coal, oil burning boiler exhaust gas emission (CEMS)
- Humidity measurement in food processing
- Humidity measurement in timber, building materials, paper making industry
- Humidity measurement in the chemical industry, fiber field
- High temperature humidity measurement in open-width dyeing process of printing and dyeing industry field



### Features

- Compact structure, convenient flange installation, disassembly, washing
- On site button operation directly
- Probe heated to prevent humidity capacitance and thermal resistance damaged by the flue condensate
- Core components imported, high performance, high reliability

### Specification Parameter

Measuring Range	H <sub>2</sub> O : 0~40% (Volume percent) (Option)
Humidity Sensor	Resistive capacitive
Temperature Sensor	PT100 Platinum Resistor
Accuracy	0~40% H <sub>2</sub> O : ±2%
Repeatability	0~40% H <sub>2</sub> O : ±1%
Stability	0~40% H <sub>2</sub> O : ±1%F.S/7d
Response Time	T <sub>90</sub> <6s
Sensor Lifetime	>2 years (Normal use)
Transmitter Lifetime	>5 years (normal use)
Supply	220VAC
Weight	Approx. 10 Kg
Power	The maximum is approx. 35VA (heating)
Ambient Temp	Probe : 0 ~ 180°C (Except the probe cable); Transmitter : -10°C ~ 50°C
Ambient Humidity	<95%RH
Sample Gas Flow	(2~6) L/min
Analog Output	Temperature & humidity, 4-20mA (2 groups)
Communication	RS232 (standard equipped)