

# Moisture Analyzer

## ● Product overview and application

TH-200 Moisture measuring instrument is the first choice for flue gas humidity measurement in continuous emission monitoring system (CEMS) with dilution extraction method. The probe of the humidity measuring instrument adopts a new generation dew point meter from abroad, which has advanced functions of automatic calibration, chemical cleaning and heating, has higher measurement accuracy, can realize long-term effective and stable operation, and has a calibration period of up to two years.



## ● Characteristics

Fast response time  
 Small size, convenient installation  
 The calibration period is as long as two years.  
 Anti-cold condensation dew, long service life

## ● Technical parameter

### Measurement parameters

Analog output 4~20mA

Output range

Option 1	Typical Output
Option 2	Maximum Output
Option 3	Customized Output

Output external load Up to 500Ω

Digital output signal RS232 (for internal parameter setting and inquiry)

Accuracy ±3%

### Gas path interface

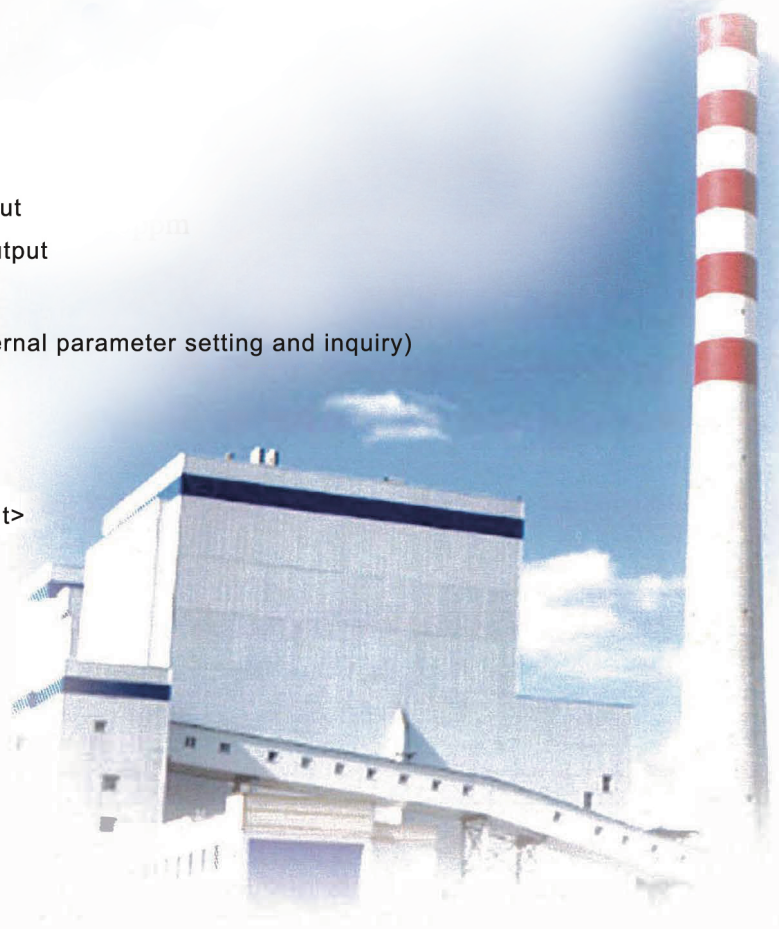
Option 1	Φ6mm<Default>
Option 2	1/4Inch

### Power supply

service voltage	24VDC
Maximum power consumption	10W

### Working environment

Ambient temperature	-40~+60℃
Environmental humidity	0~90%RH
Working pressure	0~50bar



# Dew point/humidity

Humidity needs to be measured and controlled in various industrial applications. Each application has different requirements for humidity instruments, such as measuring range, temperature and pressure, recovery ability after condensation, working ability in hazardous environment, installation and calibration requirements, etc. Not only one instrument can meet all requirements. There are many optional types of Vaisala humidity measuring instruments agented by Beijing Pinghe, which can meet the needs of users for humidity measurement.



## Dew point-the measurement and detection of trace moisture (applied to the environment with relative humidity less than 10%RH)

Dew point is usually a key parameter. Inadequate control will lead to equipment shutdown and even damage, resulting in product quality decline. Dew point meter is an ideal instrument for measuring trace moisture. For example, compressed air, medical gas, dry environment for lithium battery production, etc.

### Brief introduction of dew point measurement products

Transmitter, module and handheld instrument

Suitable for a wide range of applications-from drying process to compressed air and drying chamber

Maximum permissible error 2°C (±3.6F);

DRYCAP proprietary technology sensor with unique automatic calibration function



### Advantages

Excellent long-term stability, the recommended calibration interval is two years

Fast response time

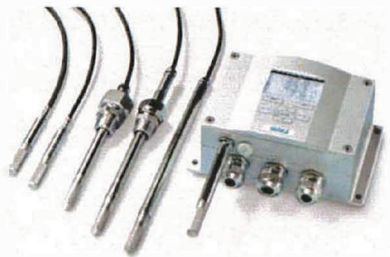
Anti-condensation, quick recovery

Anti-particle, oil vapor and most chemical pollution.



## Humidity(applied to the environment with relative humidity more than 10%RH)

Humidity is gaseous water, which is formally called water vapor. The performance of humidity sensor is the key to the overall quality of humidity measurement. Vaisala HUMICAP® sensor is the best choice for applications with relative humidity in 10-100%RH. Its humidity products can meet the requirements of humidity measurement in various harsh industrial environments.



### Introduction of humidity measurement products

Transmitter, module, hand-held instrument and calibrator

Suitable for the most demanding industrial applications

The maximum permissible error can reach ±1% RH

Sensors with proprietary technology of HUMICAP® and INTERCAP®

Forty years of experience in accurate and reliable humidity measurement



### Advantages

Excellent long-term stability

Dust resistant and insensitive to most chemicals

Fully recover from condensation

Sensor heating technology that can be measured even in condensing environment.