

Flue gas analyzer

# HT-1210N/1210NT



<b>CO</b> H <sub>2</sub> 補償付	<b>°C</b>
0 ~ 10000ppm	0 ~ 650°C

## Measurement item

1210N ; CO

1210NT; CO · Temperature

## H2 Compensation as standard function










More accurate CO measurement by mean of H2 compensation function.

## CO Peak · Average · Alarm function

Auto measurement of CO peak value and CO average value.  
3 steps alarm both indication at display and beep sound.

## Integrated Data logger

Data storage up to 100 data.

Option		
IR Printer HT-1610		Roll paper x 1 AAbattery x 4
Printer paper HT-1636		5 rolls
Ambient air temperature sensor HT-1321		0 ~ 100°C For air temperature
Attach case HT-1315		Made by aluminium Size 350×460×155mm 2.9kg
Measurement Software for PC Online View 2000 HT-2084		RS232 transfer cable USB cable Recommended OS: Windows 7/8.1/10
Battery charge for abroad HT-1318		AC100 ~ 240V
Probe handle HT-7201AS		Sampling hose length 1800mm Inc. condensate trap
Probe tube HT-7230		L=300mm φ6mm Flue gas temp.; 0 ~ 650°C
Probe tube HT-7235		L=500mm φ6mm Flue gas temp.; 0 ~ 650°C
Probe tube HT-7232		L=750mm φ6mm Flue gas temp.; 0 ~ 650°C
Probe tube HT-7233		L=750mm φ8mm Flue gas temp.; 0 ~ 1100°C
Food HT-1376		Gas/ Oil Water heater, Stove

# Specification

## Measurement items

CO (H <sub>2</sub> compensation) *1	Measurement range	0 ~ 10000ppm (0.000 ~ 1.000%)
	Accuracy	Measured value=0 ~ 200ppm : ±10ppm Measured value=200ppm ~ : ±5%reading 1ppm (0.001%)
	Resolution	1ppm (0.001%)
	Response time	<30sec.
Temperature G (K thermocouple)	Measurement range	0 ~ 650°C 0 ~ 1100°C (depend on probe tube)
	Accuracy	±1°C or ±1% (0 ~ 650°C) reading*2
	Resolution	±2% reading (650.1 ~ 1100°C) 0.1°C (0 ~ 999.9°C) 1°C (1000 ~ 1100°C)
Temperature A (Pt2000Ω) *3	Measurement range	0 ~ 100°C
	Accuracy	±1°C
	Resolution	0.1°C

## Sensor

CO (H <sub>2</sub> compensation)	Electrochemical
Temperature G	K thermocouple
Temperature A	Pt2000Ω

## Main unit

Temperature	Operating : 0°C ~ +45°C Storage : -20°C ~ +60°C
Display	Dotmatrix 4 lines
Size	(W×H×D) 80×150×35 mm
Weight	Approx.330g
Power	Battery charger (AC100V 50/60Hz DC12V 100mA) Integrated Nicd rechargeable battery (Max.8hours continuous operation)

## Standard equipment ※Select one of probes

Integrated	Pump, Interface for PC (RS232) Data logger (possible to store 100 data), Interface for printer	
Accessory	Battery, Sampling probe, Condensate trap, Reflection plate, Carrying case, Softcase, Filter set	
Description	Art. No.	Spec. / remarks
Sampling probe/HT-1210N	HT-1229DS	L=180mm φ5mm, with condensate trap, w/o temp.measurement
Sampling probe( with flue gas temp. sensor)/HT-1210NT	HT-1007	L=180mm φ5mm, with condensate trap, flue gas temp.0 to 650°C

## Option

Probes			
Long probe	HT-1235DS	L=690mm φ6mm, with condensate trap, w/o temp.measurement	
L -Probe	HT-1238DS	L=120mm φ5mm, with condensate trap, w/o temp.measurement	
L -Probe	HT-1006LS	L=120mm φ5mm, with condensate trap, flue gas temp.0 to 650°C	
Probe handle			
Probe handle	HT-7201AS	with hose, condensate trap	
Probe tube (for probe handle HT-7201AS)			
Probe tube	HT-7230	L=300mm φ6mm, flue gas temp.0 to 650°C	
(With flue gas temp. sensor)	HT-7235	L=500mm φ6mm, flue gas temp.0 to 650°C	
	HT-7232	L=750mm φ6mm, flue gas temp.0 to 650°C	
	HT-7233	L=750mm φ8mm, flue gas temp.0 to 1100°C	
Temp. probe	Kthermocouple	HT-1252a	φ 1.5 × 130L, 0~950°C, for air/liquids
		HT-1253a	φ 3 × 130L, 0~400°C, for air/liquids/food, centric top
		HT-1254a	130L, 0~400°C, for surface /rifts/air/liquid
		HT-1255a	φ 4 × 130L, 0~650°C, for surface /air/liquid
		HT-1256a	0~450°C, magnetic probe for surface
		HT-1257a	0~180°C, Pliers probe for plates, tube
Air temp.probe	Pt2000Ω	HT-1382	0~100°C, for air
Ambient air temp.sensor	Pt2000Ω	HT-1321	0~100°C
Battery charger		HT-1318	AC100~240V
Hard case		HT-1315	Aluminum, dimension : 350×460×155,weight : 2.9kg
Measurement software (with RS232 cable・USB conversion cable)		HT-2084	Online View 2000 (Recommended OS : Windows 7/8.1/10)
Infrared printer		HT-1610	Roll paper ×1 AA battery × 4
Roll paper for printer		HT-1636	5 rolls
Food		HT-1376	for hot water supply device (gas/oil), stove

\* 1 : Compensate the measured value when measure flue gas include H<sub>2</sub>.

\* 2 : The higher value is applied as accuracy.

\* 3 : Ambient air temp. (optional items) sensor is needed.

\* Accuracy is based on cylinder gas.

Specification might be changed without notice.



### HT-1210N Standard set

- Main unit
- Sampling probe HT-1229D
- Battery charger
- Carrying case
- Softcase
- Refraction plate
- Filter set
- Operating manual

Price **152,000** yen  
(tax excluded)



### HT-1210NT Standard set

- Main unit
- Sampling probe HT-1006
- Battery charger
- Carrying case
- Softcase
- Refraction plate
- Filter set
- Operating manual

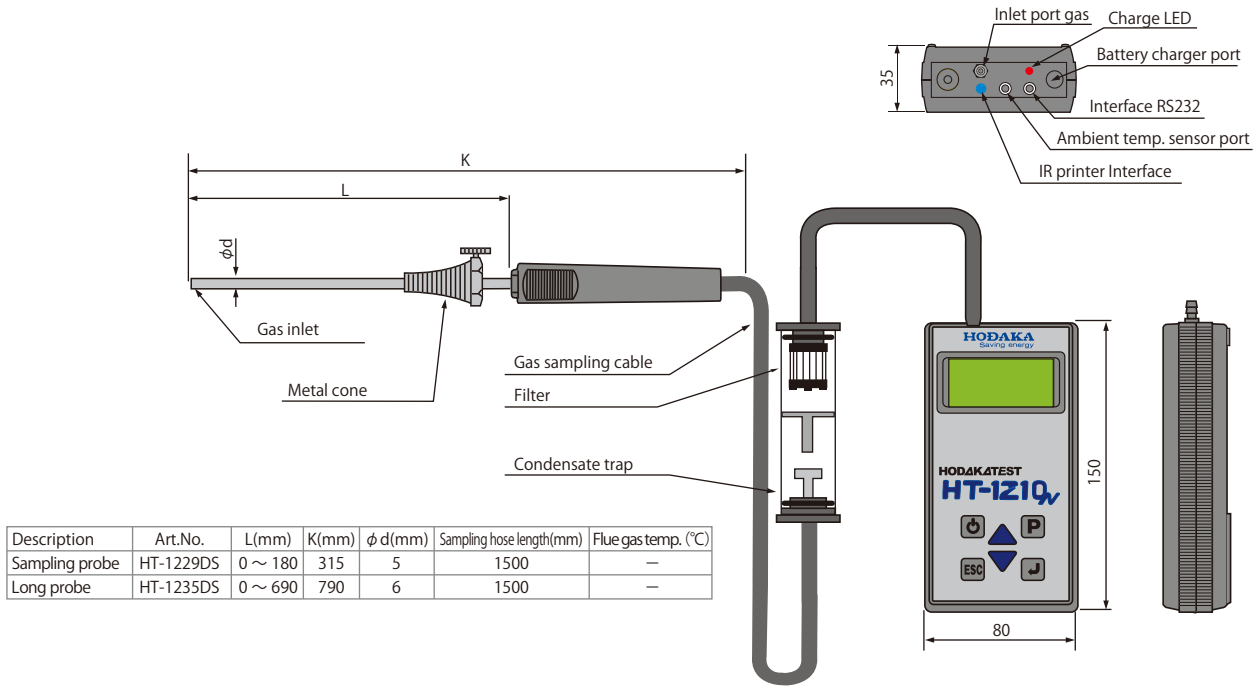
Price **166,000** yen  
(tax excluded)



# Flue gas analyzer HT-1210N/1210NT

## Dimension

### HT-1210N



### HT-1210NT

