

ULTRASONIC GAS ANALYZER US-II T-S (R)



FEATURES

- No consumables and long-lasting
- Color LCD monitor with touch panel
- Two choices of analog output
(DC 0-10V ⇔ DC 0-1V)
- Warm-up time is short and power saving
- Multiple range for various kinds of gas
- Gas-change in 5~45°C are corrected.
- Free choice of output scaling
- Wide power supply within AC85~260V
- Free choice of sampling period
- No reference gas
- Continuous measurement possible

EXAMPLE

- Gas mixer
- Gas purifier
- Gas recovery unit
- Shielding gas
- Charging and Testing etc.

ULTRASONIC GAS ANALYZER US-II T-S (R)

US-II T-S (R) is gas analyzer with ultrasonic sensor for detecting.

This gas analyzer outputs and indicates gas concentration by our original calculation after measuring speed of sound and temperature of two gas mixture.

SPECIFICATIONS

INSTALLATION	Panel mount
WARM-UP TIME	About 10sec.
SAMPLE TEMP.	Normal temperature (50°Cmax)
SAMPLE PRESS.	atmosphere ~ +20kPa
FLOW RATE	0.5~2.0L/min
POWER SUPPLY	A. C. 85~264V 50/60Hz
CONSUMPTION	25VA max.
AMBIENT TEMP.	5~45°C
PIPING	IN OUT : Rc1/4 or 1/4" VCR
ANALOG OUTPUT	D. C. 4-20mA, 0-10V or 0-1V
ALARM	Concentration alarm : 2 (*1)
LINEALITY	Less than ±1% of full scale
REPEATABILITY	Less than ±1% of full scale
RESPONSE TIME	90% reading is within 10sec
MASS	Approx. 5kg
EXTERNAL-DIMENSIONS	W220 × D252 × H150

PERFORMANCE

	MEASUREMENT RANGE	MEASURABLE-MINIMUM DIGIT
H2/N2	0~ 50%	0.02 %
He/N2	0~ 50%	0.02 %
He/Air	0~ 50%	0.02 %
O2/N2	0~100%	0.1 %
Xe/Ar	0~100%	0.01 %
Kr/N2	0~100%	0.01 %
CF4/N2	0~100%	0.01 %
Xe/N2	0~100%	0.005%
SF6/N2	0~100%	0.005%
CO2/Ar	0~ 50%	0.05 %

Please contact us for other gas composition

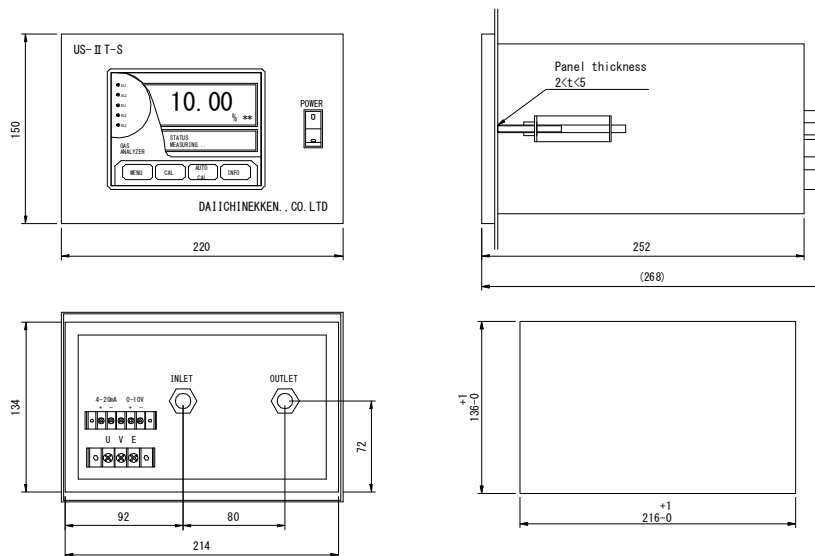
*1 ALARM OUTPUT is only for US-II T-SR

※As is often the case with changing this specification for improvement without permission

※It is theoretically possible to analyze various two gas

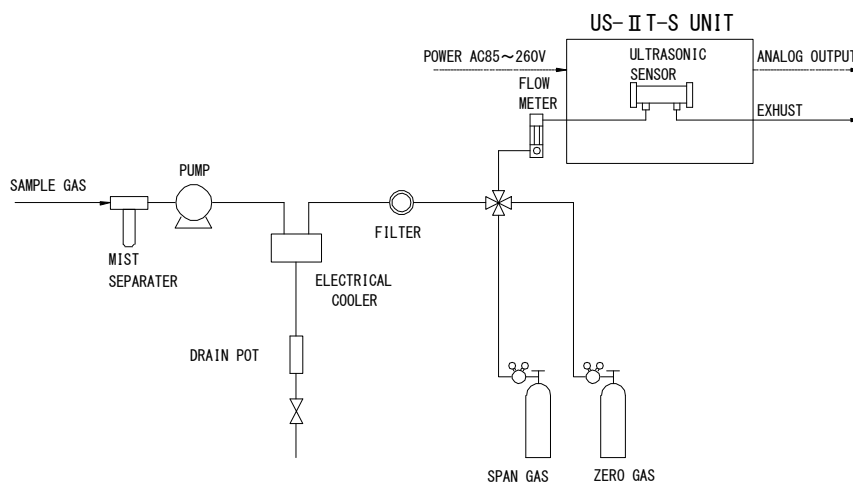
DIMENSION & FLOW DIAGRAM (EXAMPLE)

DIMENSION



EXAMPLE OF FLOW

<EXAMPLE OF MEASURING INDUSTRIAL FURNACES>



※If sample gas is DRY, it is not necessary to prepare mist separator and electrical cooler.

REFERENCE

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