

ULTRASONIC GAS ANALYZER US-II T-P



FEATURES

- Color LCD monitor with touch panel
- RS-232C function (optional)
- Two choices of analog output (DC 0-10V ⇔ DC 0-1V)
- Auto and Remote calibration function
- Multiple range for various kinds of gas
- Failure alarm (self-diagnosis function).
- 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-P

US-II T-P 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 mounting
WARM-UP TIME	About 10sec.
SAMPLE TEMP.	Normal temperature (50°Cmax)
SAMPLE PRESS.	Atmospheric pressure ~ +20kPa
FLOW RATE	0.5~2.0L/min
POWER SUPPLY	A. C. 85~264V 50/60Hz
CONSUMPTION	25VA max.
AMBIENT TEMP.	5~45°C/90%RH or less
PIPING	IN OUT : Rc1/4 or 1/4" VCR
ANALOG OUTPUT	DC4-20mA, 0-10V or 0-1V
ALARM	Concentration alarm : 2 Failure alarm : 1
LINEALITY and REPEATABILITY	Less than ±1% of full scale (max range)
RESPONSE TIME	90% reading is within 10sec.
MASS	Approx. 6kg
EXTERNAL-DIMENSIONS	W290 × D235 × H170

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 %

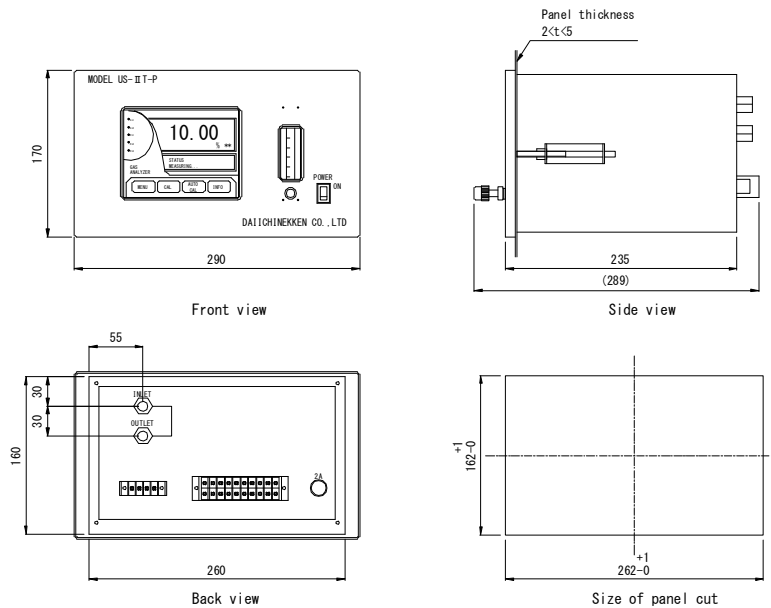
Please contact us for other gas composition

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

※It is theoretically possible to analyze various two gas combination

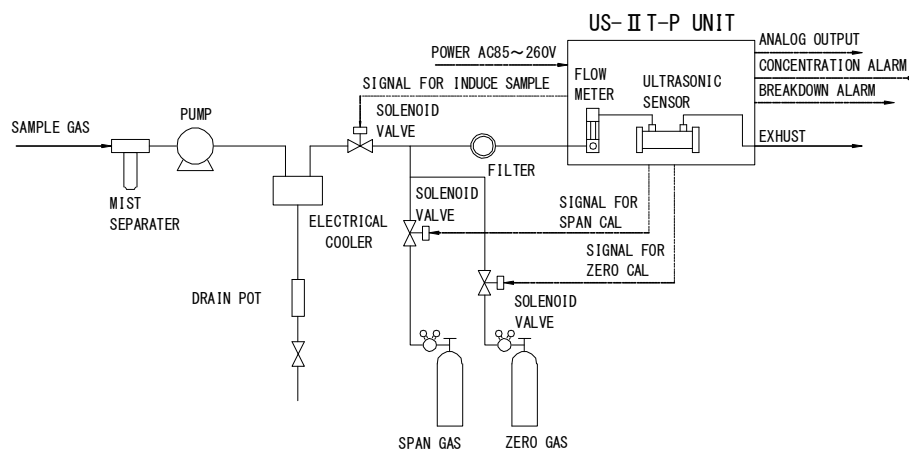
DIMENSION & FLOW DIAGRAM (EXAMPLE)

DIMENSION



EXAMPLE OF FLOW

<EXAMPLE OF MEASURING SAMPLE GAS>



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

REFERENCE

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