

# ULTRASONIC GAS ANALYZER US- I 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
- Sampling pump installed
- 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- I T-P

US-IT-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	Portable
WARM-UP TIME	About 10sec.
SAMPLE TEMP.	Normal temperature (50°Cmax)
Maximum vacuum level	46.7kpa
POWER SUPPLY	AC90 ~ 110V 50/60Hz
CONSUMPTION	40VA 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. 7kg
EXTERNAL-DIMENSIONS	W294 × D330 × H170

## PERFORMANCE

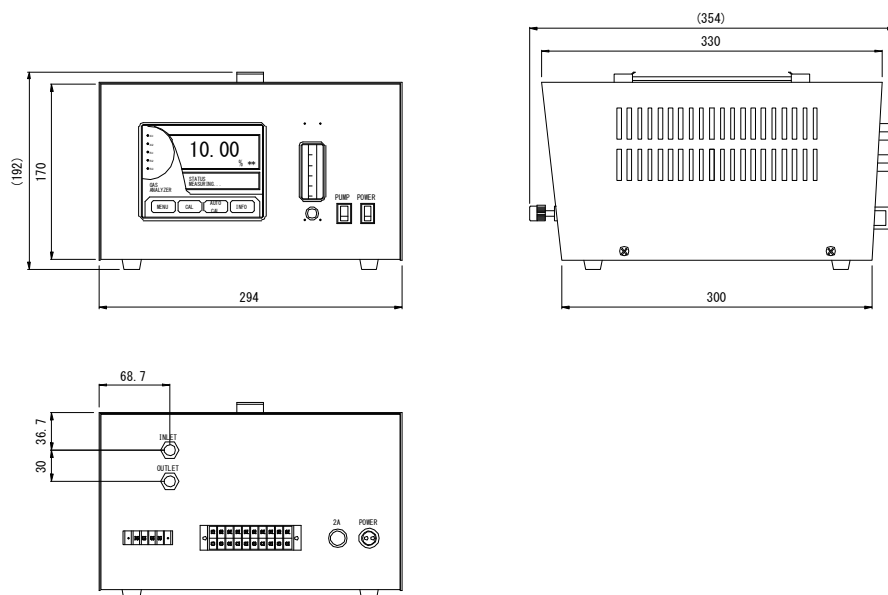
	MEASUREMENT RANGE	MEASURABLE- MINIMUM DIGIT
H2/N2	0~ 50%	0.02 %
He/N2	0~ 50%	0.02 %
He/Air	0~ 50%	0.02 %
O2/N2	0~100%	0.1 %
Xe/Ar	0~100%	0.01 %
Kr/N2	0~100%	0.01 %
CF4/N2	0~100%	0.01 %
Xe/N2	0~100%	0.005%
SF6/N2	0~100%	0.005%
CO2/Ar	0~ 50%	0.05 %
Please contact us for other gas composition		

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

※It is theoretically possible to analyze various two gas combination

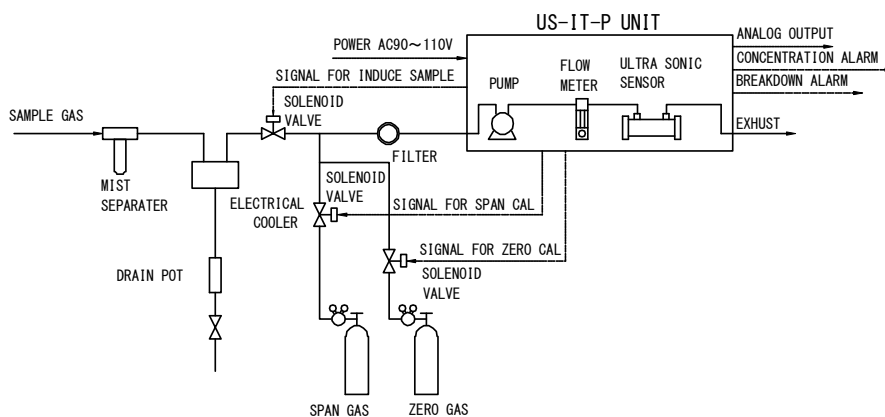
## DIMENSION & FLOW DIAGRAM(EXAMPLE)

### DIMENSION



### EXAMPLE OF FLOW

<EXAMPLE OF MEASURING SAMPLE GAS>



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

## REFERENCE

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