

# Intelligent Flow Computer

## KTR-700-FC Series

### SUMMARY

KTR-700-FC Series는 지능형 플로우 컴퓨터로서 흐름량, 질량, 열, 압력 등 다양한 측정 데이터를 표시하고 자동으로 데이터를 계산 및 보정하는 기능을 가지고 있다. 다중 신호 입력 및 출력이 가능하고 유체측정분야의 모든 데이터(액체, 가스, 혼합가스, 증기)의 입/출력 및 제어가 가능하다.

### FEATURE

1. Input multiple flow sensor signals
2. All kinds of liquid, single or mixed gases and vapor
3. Analog / Pulse Input
4. Analog / Communication / Switch / Feed Output

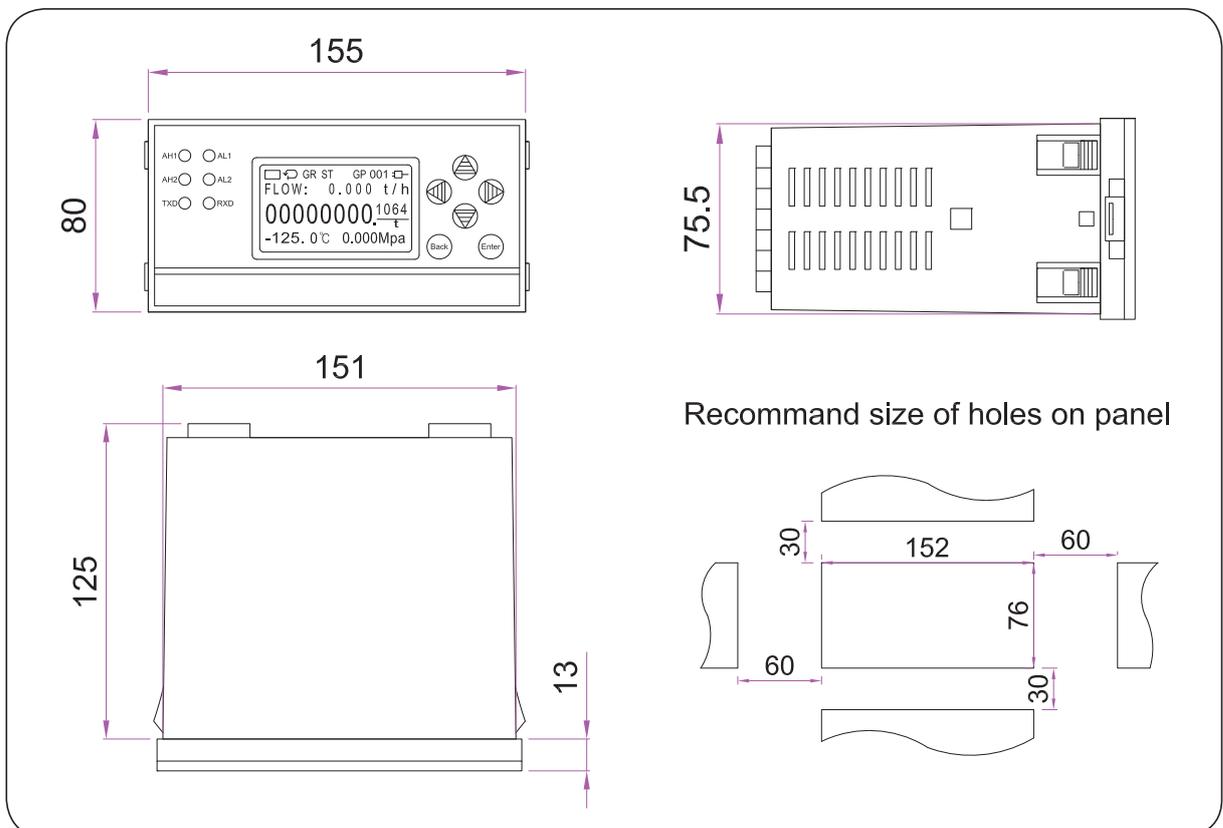


### STANDARD SPECIFICATION

Description	Specifications			
	Input Signal	Analog Input		Pulse Input
Thermocouple		Waveform: Rectangular, Sine and Triangle wave		
Pt100		Amplitude: more than 4V		
Current: 0-10mA, 4 ~ 20mA Input impedance ≤ 250Ω		Frequency: 0 ~ 10KHz		
Output Signal	Analog Output	Communication Output	Switch Output	Feed Output
	DC 0 ~ 10mA (load resistance ≤ 750Ω)	RS232, RS485, Ethernet	Relay with hysteresis	DC24V (load current ≤ 100mA)
	DC 4 ~ 20mA (load resistance ≤ 500Ω)	Baud rate: 600, 1200, 2400, 4800, 9600bps, 8 data bits, 1 stop bit, and 1 start bit	AC220V/3A DC24V/6A (Resistive load)	DC12V (load current ≤ 200mA)
Accuracy	0.2%FS ± 1d or 0.5%FS ± 1d Accuracy for frequency conversion : ± 1 pulse (LMS), better than 0.2%			
Measuring Range	-999999 ~ 999999 for flow rate and compensation value 0 ~ 99999999.9999 for totalizer			
Display	Backlit 128*64 lattice LCD Display flow totalizer, flow rate, energy, power, medium temperature, medium pressure, medium density, medium heat enthalpy, differential pressure, current, frequency, date, time, Alarm status			

<b>Control / Alarm</b>	Optional relay upper limit and lower limit control (Alarm) output, LCD and LED output indication; Control (Alarm) with hysteresis (The number of alarm relay is up to 2) Alarm type : flow upper and lower limit, temperature upper and lower limit, pressure upper and lower limit
<b>Print</b>	Through RS232 interface to Serial thermal printer Real-time print or timing print, Up to 8 times timing print in one day.
<b>Protection</b>	Totalizer will be remained for more than 20 years after power off Reset automatically when Power supply is low Reset automatically when abnormal working (Watch Dog) Self-healing fuse Short circuit protection
	Password protection for important data
<b>Operating environment</b>	Ambient temperature : -20 ~ 60°C Relative humidity: ≤85%RH, Far from strong corrosive gas
<b>Power supply</b>	Normal Type: AC 220V % (50Hz±2Hz) Special Type: AC 80 ~ 265V (Switch power) DC 24V±1V (Switch power) (AC 36V 50Hz±2Hz) Back-up power: +12V, 20AH, it will last 72 hours
<b>Power consumption</b>	≤10W

**DRAWINGS**



KM-1401FMT-KR