

Oil & Liquid
APPLICATION

Golden Rules Co.,Ltd

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FN-MASS FLOWMETER
KC-7730



The nation's development item, 100% domestic goods, Patent **NO.** 10-1606497

1. FN-MASS FLOWMETER

KC-7730 Series



Oil, Liquid

Features

Flow Transmitter

- Output : 4~20 mA, RS485, Pulse
- Flow rate, Total
- 4~20mA : kg/h, m3/h, MJ/h, Nm3/h
- Pulse : ton, m3, Nm3, MJ
- Time unit : second, minute, hour
- Density, Viscosity, Enthalpy, Compressibility
- Input power : DC 24V, AC 110~220V(Option)
- Accuracy : $\pm 0.5\%$ RD
- Display : Digital 2-line LCD backlight
- Operation : IR Touch
- Anti explosion : KCs

Flow Sensor

- Absolute pressure, Differential pressure
- Temperature
- Oil, Liquid

Flow Pipe

- Orifice, Flow nozzle, Venturi, Suction, Pitot
- 15A~
- Flange, Groove joint, Lok fitting

Description

The KC-7730 series is ideal for any application. Accurate measurement and control of mass flow, volume flow and energy flow is very important. Flow transmitters can be used in a wide range of industries in flow management and can control flow and pressure. The KC-7730 series has received NET (new technology certification) from the Korean government.

Existing flowmeters simply display mass, but the KC-7730 series provides a reliable mass flow measurement method that applies expansion coefficient considering the viscosity coefficient of the fluid and density considering the compressibility according to temperature and pressure through flow compensation by temperature and pressure. applied

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Applicable size:

Piping STD. : 15A(1/2B) ~ 600A (24B)

Connection : ANSI □ KS Flange / LOK fitting / Groove joint

Flow Body Mat'l : STS304

Sensor Mat'l : STS316

Pressure sensor allowable pressure:

System static pressure: 400 bar

One side overload pressure: 160 bar

Features

Application :

Gas and liquid lines in industrial processes

Air compressor and blower air flow measurement

Petrochemical / Hydrogen / Steam / Biogas Process

Measurement principle:

Absolute and differential pressure sensors: single crystal silicon / metal sensors

Temperature sensor : RTD Pt100 (3-wire) characteristic :

Flow Accuracy: ± 0.5 % reading

Flow measurement: mass flow rate (kg/h) / volume flow rate (m³/h) / energy flow rate (MJ/h) / normal volume flow rate (Nm³/h)

Accumulation amount: mass (kg) / volume (m³) / energy (MJ) / normal volume (Nm³)

Display : Digital 2-line LCD backlight

Protection class : CE ATEX, KCs

Explosion Proof Rating: Ex d IIC T6, IP67

Screen operation: infrared touch / button switch

Fluid property display:

Insulation index / density / viscosity coefficient / enthalpy / compression coefficient

1. FN-MASS FLOWMETER

KC-7730 Series

Flow Unit

item		detail
Type		Differential Pressure type FN-Mass Flowmeter
tightening mechanism		Orifice, Flow Nozzle, Venturi Nozzle ... etc.
Connection STD.		KS 10K/20K/30K RF, ANSI 150/300/600 SO, Sanitary LOK female, Groove joint, etc.
Material	Flow Pipe	Flow Pipe : STS304, Pressure pipe : STS316L
Calibration accuracy	Flow	F.S ± 0.5 %
	Density	± 0.2 %
Applicable Fluid		Gas, Liquid, Oil, Steam
Temp' range	Fluid temp'	-200 ~ +300°C
	Ambient temp'	-40 ~ +80°C
Working pressure		Max. 450 Bar
Flow direction		Left to right (std.)
Components		Transmitter, Bracket, Flow Pipe
Waterproof & dust proof rating		IP67
How to instal		Integral or Remote
Weight		About 5.2 kg
Display		Backlight 2 line, 16-digit LCD
How to operate		Button or IR turch
Unit change		Flow (Mass, Volume, Energy) & unit of time
Communication output		Modus RTU (RS-485), dialing 1 ~ 249, 9600 ~ 115,200 bps
Analog output		4~20mA Flow Rate(Mass, Volume, Energy), damping 0 ~ 10 sec
Pulse output		Open Collector Output, Voltage pulse(Optional) 24V or 5V
Error display		Hi / Lo Rerse flow, Sensor range over



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• GOLDEN RULES

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Gas, Steam, Liquid, Oil

Mass Flowmeter

Specialized manufacturer

Distributor

Certified in accordance with

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