Specifications

Model name	FUD-1 Model-53 FUD-1 Model-63 (explosion proof model)
Measurement parameters	Ultrasonic propagation speed Temperature Conductivity
Display	LCD(Conc. 1 Conc. 2 Temp. Velocity / Various parameters)
Output	Analog DC 4-20mA (2 lines : adjustable for conc. values))
	Digital RS232C (Conc. 1 Conc. 2 Temp. Velocity Conductivity Error code)
	Alarm High & Low (2 lines) Error
Power	AC100 to 240V 50/60Hz 30VA
Transmitter	Panel mount type (DIN size)
Environment	0 to 50 Celsius RH85% or less
Fluid temperature	0 to 100 Celsius (Optional -10 to 160 Celsius : 100 Celsius span)
	Output setting, Alarm output setting, Average setting
Function	Offset and Gain setting, Self-diagnosis check
	Auto error cancelation setting, Fail safe mode setting
Option	RS485 output (Alternative choice with RS232C)
	Temperature output (DC4 to 20mA)
Channel	Maximum 7 Ch
Cable	10m (standard) Repeater required for over 10m Max. 300m
Explosion Repeater	Exd(ia)IIBT4
proof Transducer	Ex(ia)IICT4
Transducer material	SUS316(L) SUS304(L) PFA coating Hastelloy Titanium
	Nickel Tantalum PFA PTFE PVC PVDF etc

Transmitter

Panel mount type Weight 3kg approx.





Transducer

Flange JIS 10K 50A Weight 3.5kg approx.



Flange JIS 10K 25A Weight 1.5kg approx



*The other sizes are available.



1068 lida-cho, Minami-ku, Hamamatsu-city Shizuoka-pref., 435-0028 Japan Tel. 81-53-464-6449 Fax. 81-53-465-3815

URL http://www.fuji-us.co.jp/english/ E-mail overseas@fuji-us.co.jp







Ultrasonic Concentration Meter



Ternary type Ultrasonic Concentration Meter

We strive to be flexible, reliable & honest for the customer needs based on our over 40 years sales experience. Available for variety applications such as acid, alkali, and organic fluids with minimum effort for installation and operation

Measuring two concentrations in real time





Transmitter : Panel mount type Ultrasonic transducer : SUS316/JIS10K50A Conductivity detector : PFAJIS10K50A Repeater : Explosion proof repeater





Ternary solution?

Solution in some cases contains two solutes such as etchant & the material. FUD-1 Model-53(63) enables to measure the two concentrations in real time by combination technology of two principles such as ultrasonic velocity & conductivity.

In-line/Real time measurement

This product can measure concentration with outstanding tight accuracy and long term stability since the principle of this product is independent of color (transparency), flow rate, and din (sound noise).



User-friendly maintenance

This product does not require any periodical parts replacement due to no moving parts that can wear out or age. In addition, it is possible to check the product condition with water with its self-diagnostic function.

Advantages

standard PC.

*PVC *PVDF

e.g.

This product enables real time controlling system easily with DCS as

well as monitoring system with a

Various transducer materials are available for protection against chemical corrosion. Besides, flange

type is selective among JIS, ANSI, DIN

*SUS316(L) *SUS304(L) *PFA coating *Hastelloy *Titanium *Tantalum *PFA

- FUD-1 Model-53

Transmitte

FUD-1 Model-63

ROM : Data ROM

Acid monitoring at steel cleaning

- process
- Etching rate control

Applica tions

Cleaner concentration control e.g.







Superior customer service based on over 40 years sales experience

Together with our worldwide sales representatives who pride themselves in superior customer support, we always strive for complete customer's satisfaction.

data ROM. and the two





Explosion proof repeater & extension cable are required for explosion proof mode

Management system example



