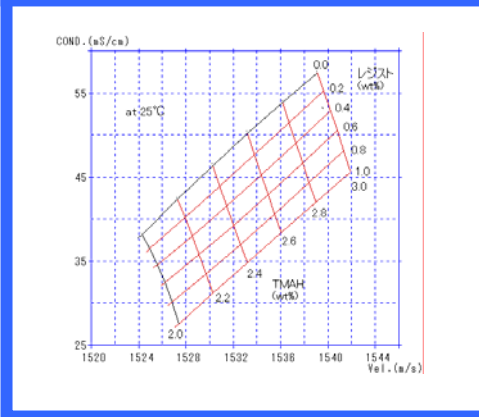


Chemical Concentration Monitor FUD-1 Model-52



Ultrasonic + Conductivity

Graph of TMAH + Resist
TMAH 2-3wt% Resist 0-1wt%
At 25 Celsius



Typical applications

- TMAH + Si concentrations
- TMAH + Resist concentrations
- Slurry + H₂O₂ concentrations
- HF + H₂SiF₆ concentrations
- HF + NH₄F concentrations
- NaOH + IPA concentrations etc

Advantages of FUD-1 Model-52

- Save time & C.O.C.
- Almost Free Maintenance
- Easy Operation
- High Accuracy and Stability
- Flow-Cell Type Transducer
- No Contamination [Material PFA]
- Alarm System [DC4-20mA & RS232C]
- World Widely Used Model



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Basic Principle

FUD-1 Model-52 measures concentration of two components in the solution with ultrasonic velocity & conductivity. In other words, FUD-1 model-52 calculates the concentrations from the physical changes of ultrasonic velocity & conductivity, and temperature.

Specifications

Principle	Ultrasonic velocity, Temperature, & Conductivity
Display	LCD (Conc.1, Conc.2, Temp., Velocity, & Conductivity / Various parameters)
Output	Two Analogs DC4-20mA (adjustable depended on a conc. figures) Digital RS232C (Conc.1, Conc.2, Temp., Velocity, Conductivity & Error code) Two Alarms High, Highest, Low, Lowest, & Error
Power	AC100-240V 50/60Hz
Construction	Panel Mount Type (DIN standard type)
Environment	Temp. : 0-50 degreeC RH : less than 85% (No dew condensation)
Function	Output setting, Alarm-output setting, Average times settings, Offset/Gain setting Self-diagnosis-check, Fail safe mode, & Auto error cancellation mode
Channel	Max. 7 ch

Dimensions

Transducer

Transmitter

