

Ultrasonic Sludge Blanket Level Meter 04p ~ 06p	Ultrasonic Portable Sludge Level Meter 07p	Ultrasonic Sludge Density Meter 08p ~ 10p	Clamp-on Density Meter 11p	Ultrasonic Level Meter 12p ~ 13p	Clamp-on Ultrasonic Flow Meter 14p ~ 15p	Ultrasonic Open Channel Flow Meter 16p ~ 17p	Electromagnetic Flow Meter 18p ~ 19p
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04. Clamp-on type Density Meter

The clamp-on type density meter doesn't need by-pass line or spool-piece(pipe section) when maintenance or replacement is required. As the clamp-on sensor can be mounted outside of pipe line even under flow-running condition, the user neither need to stop their process nor to consider the corrosiveness of liquid.

Product Features

No Maintenance

- No sensor cleaning is required for sludge adhesion on sensor surface
- No sensor replacement is required for water and tear by flowing medium

No Limit on measuring medium

- Can apply to almost all types of sludge regardless of abrasion, adhesion, and corrosion
- Broad application
 - Desulfurization process at power plant
 - Corrosive liquids of chemical plant
 - Wastewater plant of ready-mixed concrete or mining sector

No Additional Cost

- No additional water pipe line is required for sensor cleaning
- No by-pass line is required for maintenance

No Space and Tool

- No special equipments and tools are required during installation
- Can apply at limited space



C2S2



S2C

Model	C2S2
Measuring Principle	Ultrasonic Attenuation and EEAM(Envelope Energy Average Method)
Measuring Range	1,000 ~ 1,500 kg/m ³ (1,000 ~ 1,500 g/cm ³) 0 ~ 1,000,000mg/l (0~100%)
Measuring Mod	Process Mode, Real-time Mode
Display	Density, Time, Pipe condition, Flow condition, mA , etc.
Resolution	1kg/m ³ (0.001g/cm ³), 100m/l (0.01%)
Accuracy	± 1% of full scale or 2,000mg/l
Repeatability	± 1% of reading
Operational Temp.	-20 ~ 70°C
Data Saving	Maximum 400 days Data logging & Trend
Screen	Numeric, Date Trend, Diagnosis
Outputs	<ul style="list-style-type: none"> • Current Output : 4~20mA, nom. Load 250Ω (load range : 100 ~ 750Ω) • Relay Output : 3 SPDT(5A, 250VAC) – “ER” “R1” “R2” • Digital Output : RS232C(Standard) or RS485(OPTION)
Power Supply	<ul style="list-style-type: none"> • Standard : 100 ~ 240V AC, 50~60Hz, ≤6W • Option : 10 ~ 14V DC, 22 ~ 26V DC
Encl. Material	Body/Cover: Polycarbonate
Dimension	260(W) x 258(H) x 131(D)mm
Mounting	Center hole 152(W) x 236(H)(Φ 8 x 4ea)
Weight	2.2 kg
IP Rating	IP67
Certificate	CE

Model	Clamp-on (S2C)
Material	•Body : MC Nylon •Ultrasonic Head: Epoxy
Pipe Size	50A ~ 300A
Frequency	0.8MHz ~ 1.5MHz
Operational Temp.	-10 ~ 60°C
Cable Length	10m(standard)
IP Rating	IP 65