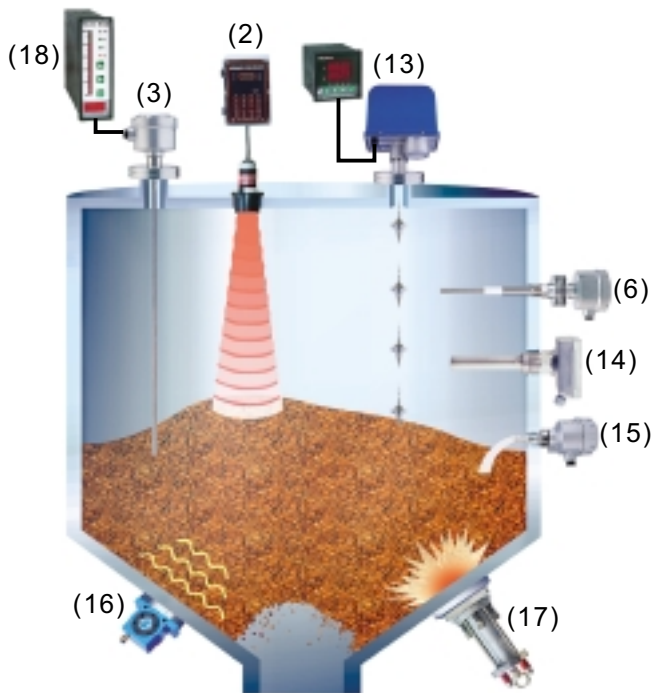
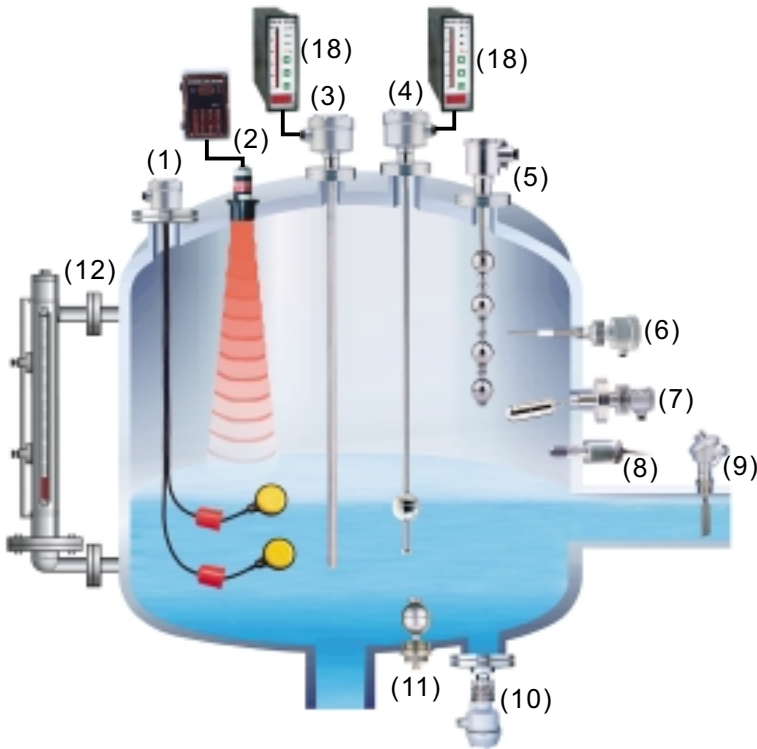


- MEASUREMENT ● INSTRUMENTS ● TEMPERATURE
- LEVEL ● METER ● PRESSURE ● FLOW ● DYEING
- PNEUMATIC VIBRATOR ● SPEED MONITOR



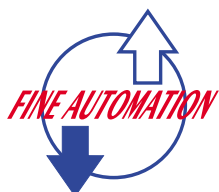
FINE AUTOMATION

- Various products are suitable for different application.
- Pressure transducer can be measured range 0.1~400 bar.
- Special specification & custom design are acceptable.
- Many products have obtained lots of international patent and certification.
- All types with IP-65 protection, explosion-proof are available for terminal housing.
- Over 30 types float can be chosen. Max. operating pressure up to 100 kg/cm².
- Different material, SUS304 / SUS316, Titanium, PP, PVC, PVDF is available.



Range of Products:

- (1) Cable Float Level Switch
- (2) Ultrasonic Level Measurer
- (3) Capacitance Level Measurer
- (4) Magnetic Float Level Measurer
- (5) Magnetic Float Level Switch
- (6) Capacitance Level Switch
- (7) Side Mounting Float Switch
- (8) Optical Level Switch
- (9) Flow Switch
- (10) Pressure Level Measurer
- (11) Mini Float Level Switch
- (12) By-Pass Level Indicator
- (13) Electromechanical Level Measuring System
- (14) Vibrating Probe Level Switch
- (15) Rotary Paddle Level Switch
- (16) Pneumatic Vibrator
- (17) Air Hammer
- (18) Bargraph Panel Meter
- Valve and Controller for Dust Collector System
- Thermocouple & Thermometer
- Speed Monitor & Controller
- Dyeing Controller
- Pressure Transmitter



FINE AUTOMATION CO., LTD.

NO. 29-2, SAN-TEH STREET, SHU-LIN, TAIPEI HSIEN, TAIWAN
 TEL: 886-2-26894607, 26886025 FAX: 886-2-26894533, 26883318
 http://www.fineautomation.com e-mail: L2923@ms15.hinet.net



LEVEL INDICATOR SERIES PRODUCTS

Pressure Level Indicator



PCS series

- Designed for complete submersibility.
- Unique cable seal system insures water tight integrity.
- Pressure range: 0.1~400 Bar
Accuracy: 0.3% FS, 0.5% FS
- Output: 4~20mA or 0~10VDC
- Zero & Span adjustment.



Magnetic Float Level Indicator



RL series

- Metal float includes various types: $\phi 45$, $\phi 52$, $\phi 75$, $\phi 5"$, $\phi 6"$, $\phi 8"$. Plastic Float type: $\phi 48$, $\phi 55$; Specific Gravity: 0.3~0.8
- Output: 4~20mA three-wire resistance.
- Supply voltage: 13~36VDC (4~20mA output) 5~30VDC (Three-wire resistance)
- Resolution: $\pm 6.35\text{mm}$, $\pm 13\text{mm}$
- Enclosure protection: IP65, Ex d IIB T4
- Measuring range: max. 6M



Capacitance Level Indicator



MEC series

- Operating voltage: 24VDC; max. output current: 20mA, resolution: $\pm 2\%$
- Max. tensile strength of wire ($\phi 9\text{mm}$) can up to 3.5 Tons and 50M in length.
- Sensitive range: 150pf, 500pf, 1500pf
- High temp. up to 200°C
- Not be affected by Pressure, Sound wave, Temperature.

Electromechanical Level Measuring System



MAC series

- Microprocessor-based controller ease to configured readings in engineering unit.
- Up to 40 meters tank measuring application available.
- There are many function to protected level sensor.
- Wide range of application.
- Water/Dust proof or heavy dust housing.
- Simple and cost-effective.
- Application:
Ore, Clinker, Coal, Cement, Grain, Plastic powder, Feedstuffs, Granule, and any liquid.

Ultrasonic Level Indicator



ULI series

- Non-contact style will not affected by material character (such as Pressure, Viscosity, Density).
- Analog output: 4~20mA or 20~4mA
- Supply voltage: 110/220VAC or DC24V
- Operating temperature: -20°C~60°C
- Communication port: RS232, RS485
Relay output: 1~5 x SPDT



Vibrating Probe Level Switch



ZVL series

- Fail safe & Sensitivity setting.
- Min. material density: 0.03 g/cm³.
- Max. vertical load on probe: 117 in Lbs.
- Operating pressure: Vacuum~10Bar
- Application:
Suitable in liquid with adhesive, build-up, agitated, sparking foaming characters. Powder/Solid for low die-electrical material.

By-Pass Level Indicator



BP series

- Heating jacket installation acceptable.
- High temp. up to 400°C
- High pressure up to 100 Bar
- Application:
Textile dyeing machine industry,
Food-beverage industry,
Chemical & Marine industry



Capacitance Level Switch



ME series

- Operating temp.: -20°C~200°C, Max. 800°C
- Sensitivity adjustable.
- Time delay adjustable.
- Application:
Foundry, Petrochemical, Feed Power Utilities, Paper, Water, Waste Water, Food, Chemical, Pharmaceutical, Grain, Pulp Industries.



Bargraph Panel Meter



PM-50 series

- Multi-range input (0~5V, 0~10V, 4~20mA, 20~4mA, 0~25.5mA adjustable)
- 4 point alarm (HH, H, L, LL)
- Scaling function (0~1099)
- Alarm "ON", "OFF" delay time setting (0~3sec)
- 0/4~20mA, 0/2~10VDC output.
- Digital reading to $\pm 10\%$ in under range/over range.
- Under range/over range indication.

Rotary Paddle Level Switch



RP series

- Torsion adjustable for light material.
- Clutch assembly to protect the motor from the falling material.
- Good shaft seal designed.
- Application:
Suit for chemical, Food, Mining, Plastic, Ceramic industries.



Magnetic Float Level Switch



RF series

- Multi-point control, easy installation, saving cost.
- Temp.: Metal material Max. 200°C
Plastic material Max. 120°C
- Pressure: Max. 60kg/cm²
- Application:
Water Processing, Heat Exchanger, Hydraulic, Power Station, Oil, Shipbuilding & Petrochemical Industry



Pneumatic Vibrator



VK, VR, AS series

- An efficient device to solve the material blocking problem inside the small tank.
- Instant power on/off to keep the equipment from damaged by motor's inertia vibrating.
- No electric power supply such it can be applied at hazardous locations.

Mini Float Level Switch



MF series

- Compact simple design and principle, high reliability, low price.
- Side-Mounting, Top-Mounting, Bottom-Mounting.
- Mounting screw type have M8~M16, 1/8"~1/2" PF/PT/BSP and etc.
- Application:
Drinking Fountain, Machinery, Electrical, Chemical, Marine, Test Instrument, Food Machinery, Warmer Machinery, Washer, Air Condition, Hydraulic Machine.



Valve and Controller for Dust Collector System



RDA series

- Action rapidly, large flow, good cleaning efficiency, low air consumption.
- Power supply: 110/220VAC, DC24V
- Size of valve: 3/4", 1", 1-1/2",
Operating voltage of valve: 110VAC, 220VAC, DC24VDC

Side Mounting Float Switch



LF series

- Metal float: $\phi 41$, $\phi 50$ and $\phi 75$
- Plastic material is suitable for corrosion environment.
- Contact rating: 5A/250VAC, SPDT.
- Operating Temp.: Max. 350°C
- Operating Pressure: Max. 50kg/cm²
- Application:
Water Processing Equipment, Shipbuilding Industry, Edible Factory, Petrochemical Industry, Heat Exchanger, Air Condition Industry, Foodstuff Industry



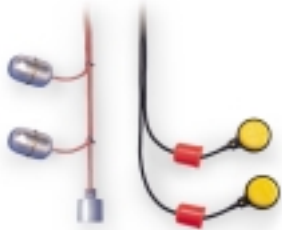
Speed Monitor & Controller



SM series

- Realtime control of under-speed, slip, stand-still, break-up of various conveyers, bucket elevator, rotary feeder.
- Working speed adjustable.
- Speed range: 0~999 r.p.m.

Cable Float Level Switch



CS series

- Use Micro Switch as contact output, switching capacity 10A/250VAC, 15A/250VAC can drive the submersible pump directly.
- HAR rubber cable is lasting and can be used in any climate.
- Construct simple, maintenance free, can be applied in Waste water/Pure water for measuring.



Thermocouple & Thermometer



TK series

- PT100, PT1000, K, T, C, J types.
- Accuracy: 0.1~0.3%
- Transducer output: 4~20mA, power supply: 12~36 VDC.
- Special specification or custom design is acceptable.

Flow Switch



FS series

- Operating Temp: -30°C~150°C
- Contact Rating: 40W/230VAC SPDT
- Mounting Screw: 1" PT
- Suitable Pipe: 1"~3"
- Operating Pressure: 355 PSI
- Detection: reversible



Cloth Seam Detector



DM series

- 3 digit LED x 2 display.
- Special electronic filter inside can withstand heavy noise environment.
- Non-volatile memory inside, can protect the user's setting.