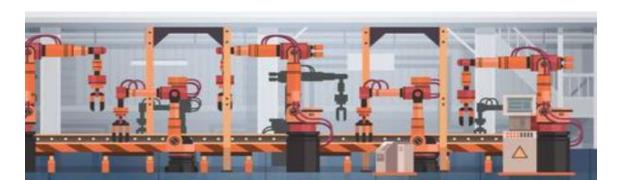
watanabe



Product Introduction https://youtu.be/rBL784EB_Kg
WPMZ Operation https://youtu.be/1Fro4qzebQY

Watanabe Automation Applications

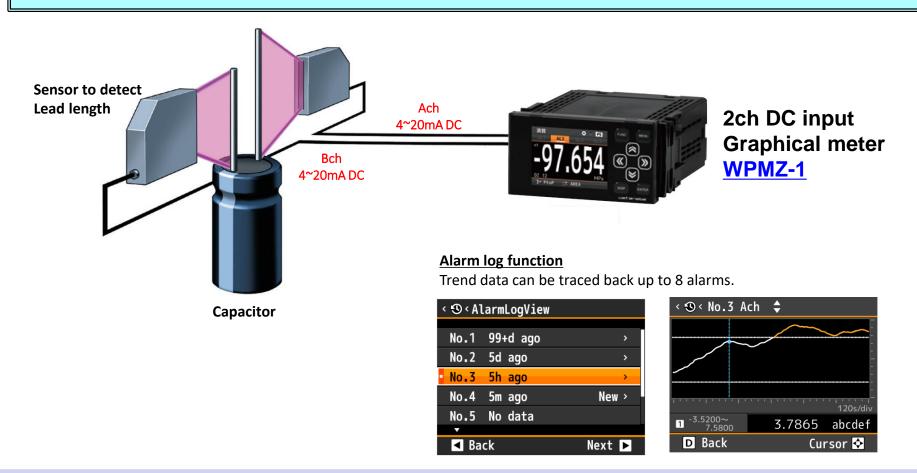
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1. WPMZ-1 Error detection in inspection process

Input 2ch sensor signal (Ach, Bch) to WPMZ-1

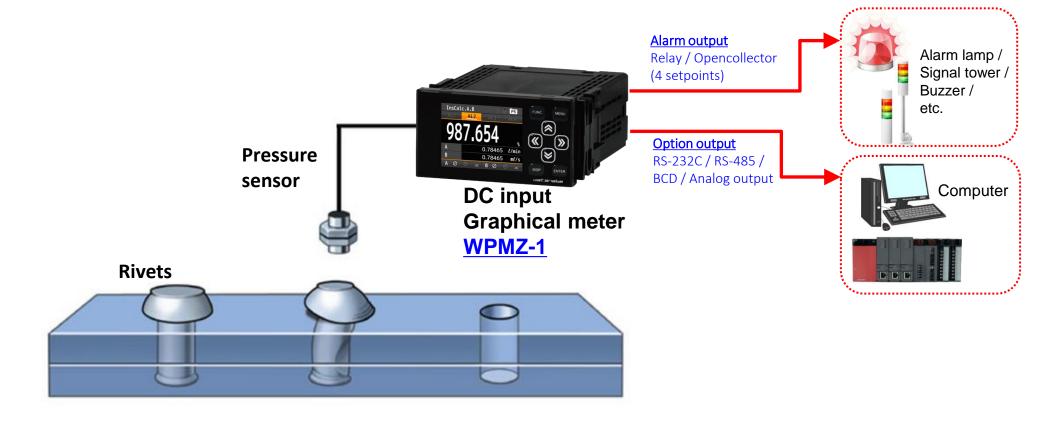
- Capacitor lead length inspection can be performed using the arithmetic function (A-B). 1)
- In addition, it is equipped with an alarm log function that retains trend data before and after the comparison judgment alarm is generated.



2. WPMZ-1 Inspection of driving condition of rivets

Able to store several kinds of OK judgement range by using pattern select function

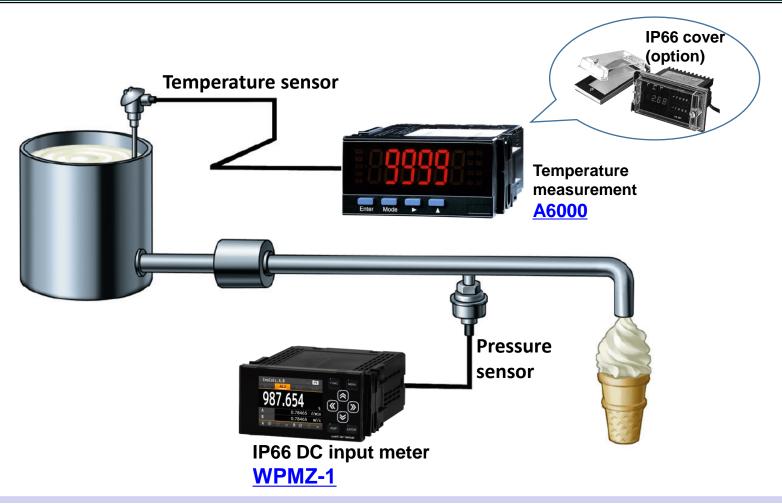
- 1) The pattern select function can store 8 pattern of HH/HI/LO/LL set points and scaling settings.
- 2) Tolerance range can be switched instantly by switching the pattern from the front SW or rear terminal, which is very convenient for flexible lines where multiple materials are mixed.



3. WPMZ-1 & A6000 Food process management

Dustproof/waterproof case structure allows cleaning from the front of the panel

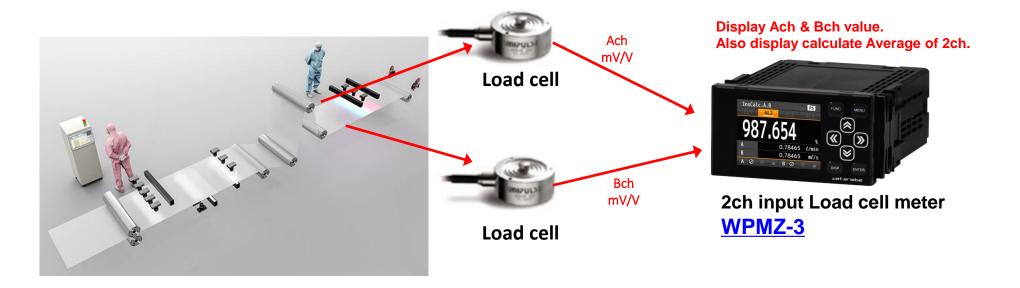
- 1) WPMZ-1 conform IP66 standard. Useful for measuring temperature, pressure and measurement.
- 2) A6000 has IP66 cover by accessories for Dustproof/waterproof.



4. WPMZ-3 Metal foil tension control

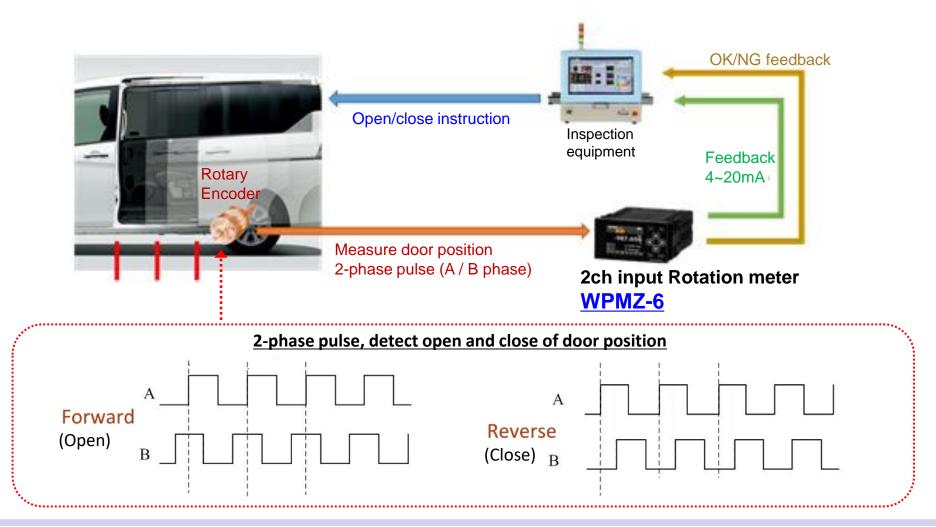
In order to measure the tension on the left and right of the metal foil, able to display 2ch value from two load cells by 1pc WPMZ-3.

Also display average calculation display of 2 channels to control left and right balance.



5. WPMZ-6 Control open/close of Power sliding door motor

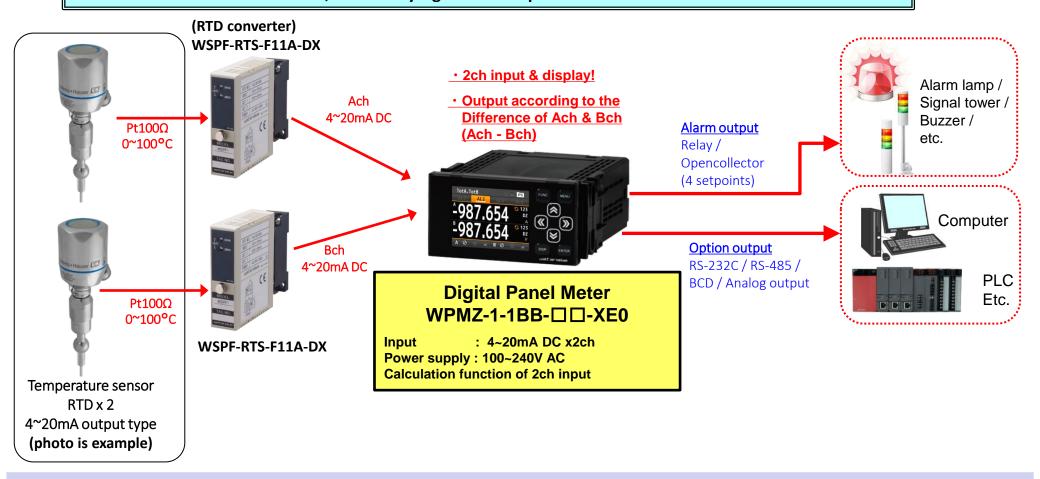
Detect open/close of power sliding door by 2-phase pulse of rotary encoder. WPMZ-6 Displays the torque, speed, and angle of the power sliding door motor.



6. WPMZ-1 2ch Temperature signal input

- 1) Convert RTD signal to 4-20mA by RTD converter WSPF-RTS-F11A-DX.
- 2) Input 2ch, Display Ach & Bch value in 1 display.
- 3) WPMZ-1 can Calculate difference of 2ch input (Ach Bch).

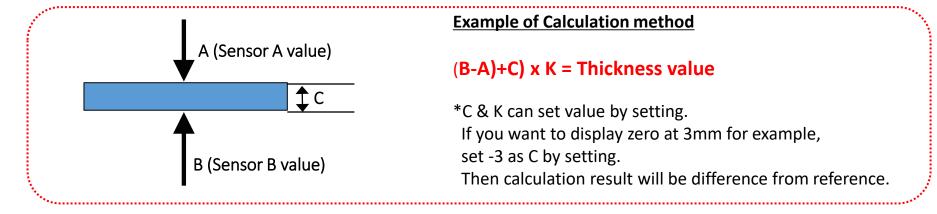
 If calculation result is below or over setpoints (4 setpoints setting available) when one of RTD broken etc., then Relay signal will output to detect.



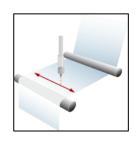
7. WPMZ-1 Thickness measurement by 2ch input

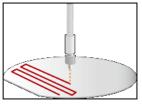


- 2ch input 4-20mA
- Various calculation

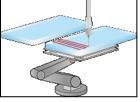


8. WPMZ-1 Thickness measurement with displacement sensor





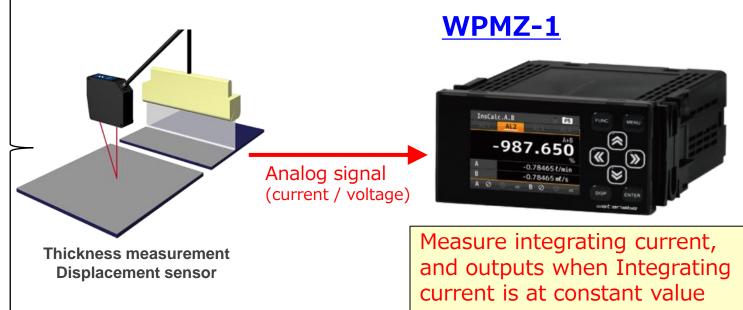
Wafer



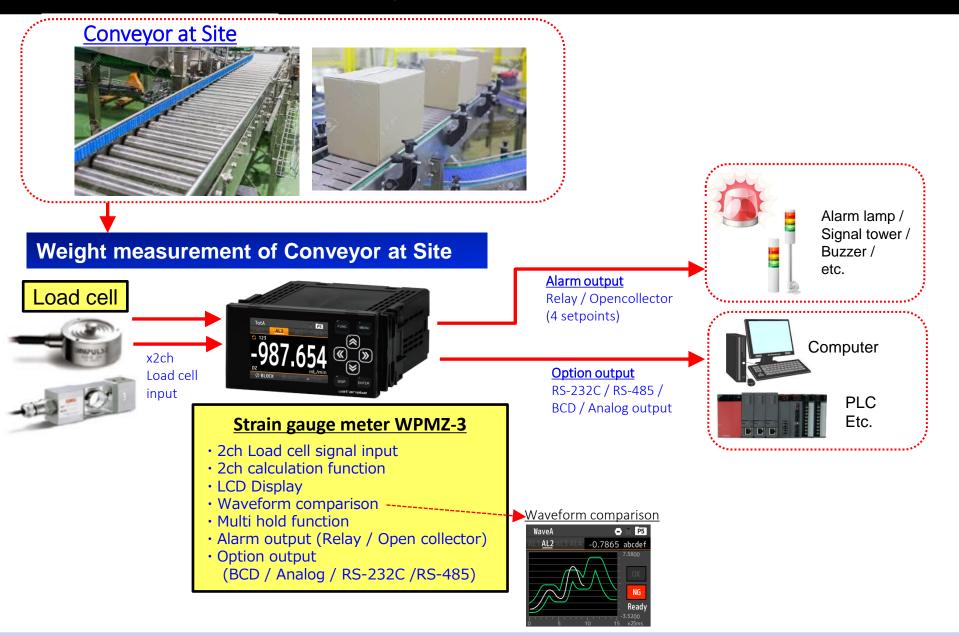
FPD



Plating



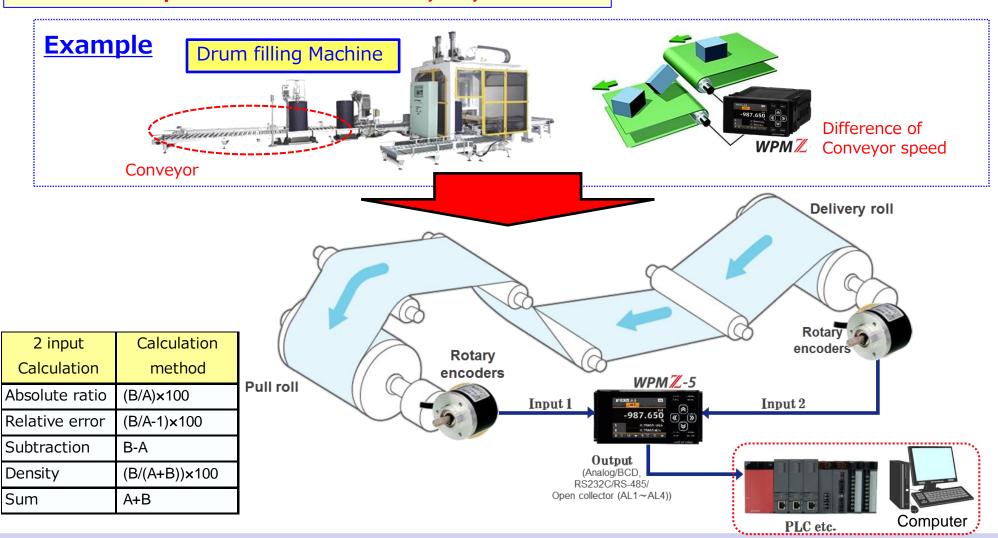
9. WPMZ-3 Weight measurement of Conveyor



10. WPMZ-5 2ch input, Conveyor rotation / speed

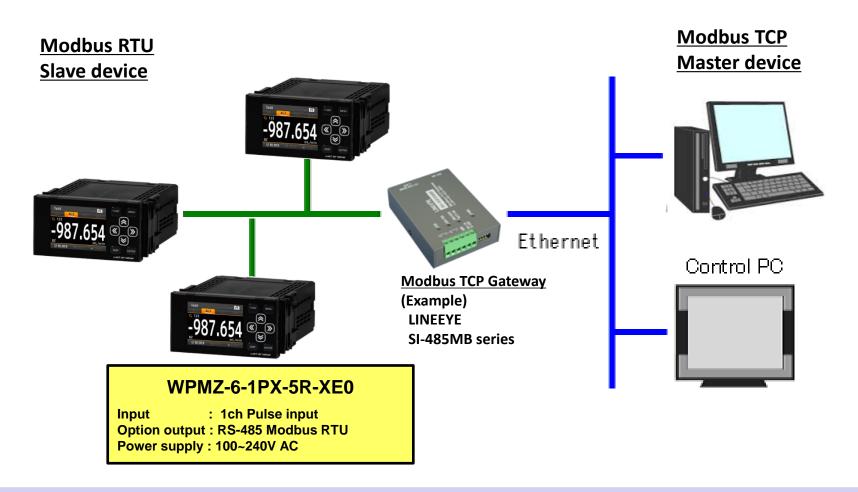
WPMZ-5 Application: Conveyor

Rotation and Speed measurement of conveyor by WPMZ-5



11. WPMZ-6 with Modbus RTU / TCP IP

Connection of MODBUS TCT master and MODBUS RTU slaves (WPMZ-6)



12. WPMZ-6 Tank Flow measurement

