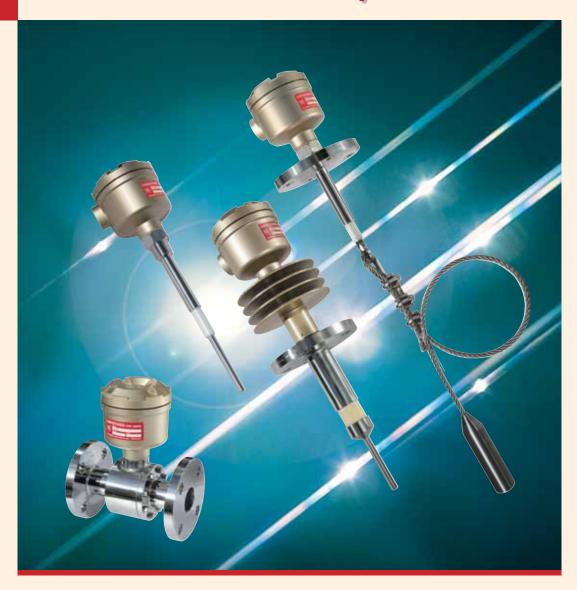




SCIGATE AUTOMATION (S) PTE LTD

CAPACITANCE TYPE LEVEL SWITCH Model ALN/SL



Our continuous product improvement has got highly stable & reliable detection come true. ALN/SL can be the best selling line with some possible improvements added in the years to come.





HIGHLY STABLE & RELIABLE DETECTION. OFFERS GUARANTEED SOLUTIONS EVERY APPLICATIOAN

The Model ALN is the versatile Capacitance Type Level Switch that can detect the level of sediments in liquid, interface between two different liquids as well as the level of high-insulating powders/granules, conductive liquids/viscous liquids and others. It is one of the highly efficient detectors which Kansai Automation Co., Ltd. has developed to ensure a correct level detection under such conditions requiring the high technology as varied measuring materials, complex/harsh products and so on. Through our long-term experiences and achievements, use of quality materials and strict quality control, we have here provided you with more stable and more reliable products.

STANDARD SPECIFICATION

Instrument Power Source: 105 / 210VAC ±10% 50/60Hz

Power Consumption: 4.5VA

Output Contact: SPDT, 250VAC 10A, 30VDC 10A

Resistive load

Ambient Temperature Allowance : -25°C~+60°C

Stable Detection Range: 1. High Sensitivity 0.5~20pF

2. Standard Sensitivity 2~50pF 3. Low Sensitivity 20~1,000pF 4. Ultra Low Sensitivity 5~35Ω

Delay Time Setting: Max.10 seconds, variable

Vibration: 2mm 600~ 3,600 /min in all direction for three hours

Enclosure: IP66 equivalent

Painting Color: Gold

As for ALN Type, a product with 24VDC can be ordered.

SPECIFICATION-PROBE

(Standard Level Switch)

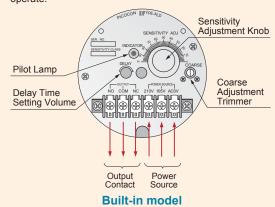
Withstand Load at Electrode: Top End Load (l= 250) 1kN (100kg)

Withstand Pressure at Electrode: 980kPa Allowable Temperature at Electrode: -25°C~+80°C

Impact: 9.8kGa (10G) at electrode

DELAY TIME SETTING

The output relay motion can be delayed continuously and variably by up to ten seconds from the time of detection. (the pilot lamp lights) Set the delay time by the setting Volume as required. When the wetted time is shorter than the set delay time, however, the output relay does not operate.



REMOTE AMPLIFIER MODEL



35 35

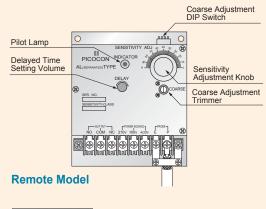
110

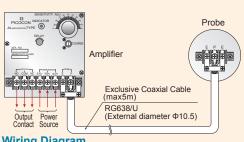
Separate box for

indoor use

45 35 80

Wiring hole 3-Ф19







SL

INTRINSIC SAFETY
EXPLOSION-PROOF
CONSTRUCTION
(j) 3nG5
LABOR INSPECTION
No.26358

CERTIFIED AS INTRINSIC SAFETY EXPLOSION-PROOF CONSTRUCTION, CAN BE APPLIED TO EVERY SHAPE OF ELECTRODE.

This type is one of the safest explosion-proof instruments to be applied in hazardous areas where Water Gas, Hydrogen, Carbon Disulfide and others exist. You can use it safely in such ambient atmospheres as all kinds of combustible gases and flammable liquids.

Certified according to Chinese Government as Explosion-proof.



■ STANDARD SPECIFICATION

Instrument Power Source: 105V / 210 VAC ±10% 50/ 60Hz

Power Consumption: 4 VA

Output Contact: SPDT 100VA (200VAC Max, 2A Max)

Stable Detection Range : 1. High Sensitivity 0.5~20pF

2. Standard Sensitivity 2~50pF3. Low Sensitivity 20~1,000pF

Vibration: 2mm 600~3,600 / min

in all direction for three hours

Enclosure: IP66 equivalent

Painting Color: Gold

SPECIFICATION-PROBE

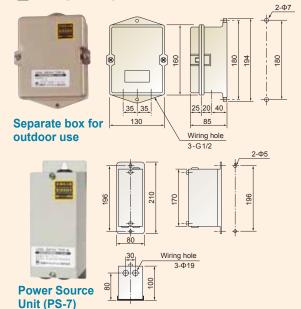
(Standard Level Switch)

Withstand Load at Electrode : Top End Load (ℓ=250) 1kN (100kg)

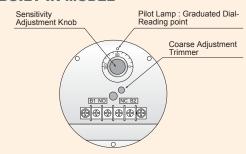
Withstand Pressure at Electrode: 980 kPa
Ambient Temperature Allowance: -25°C~+80°C

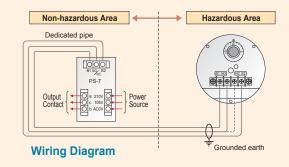
Impact: 9.8kGa (10G) at electrode

REMOTE MODEL

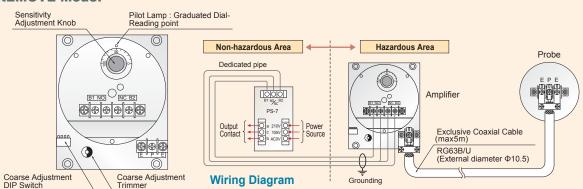


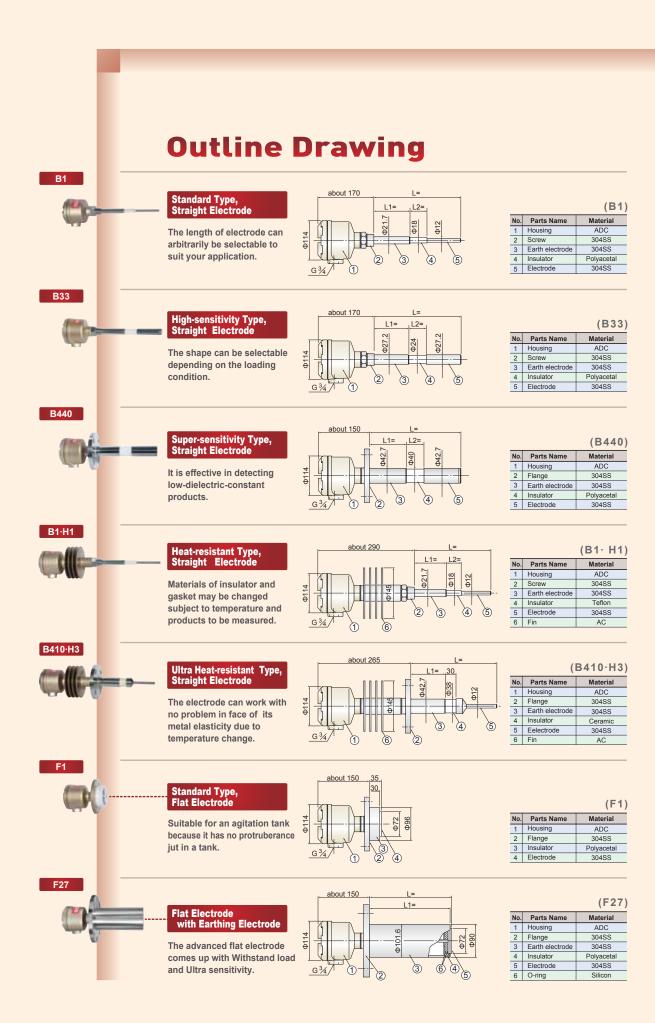
BUILT-IN MODEL

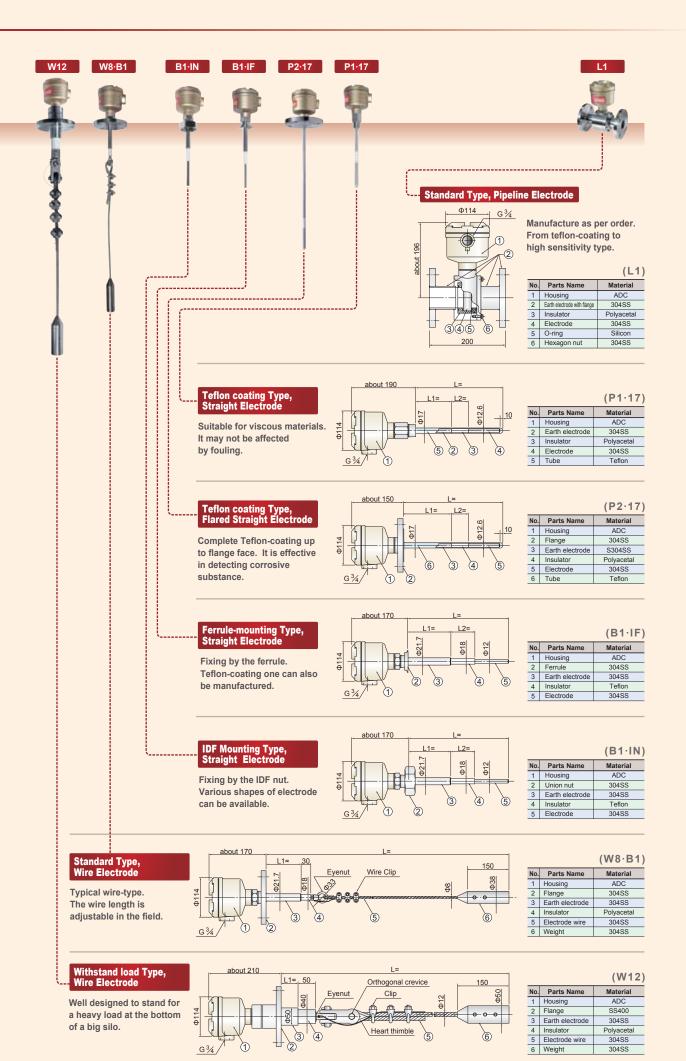




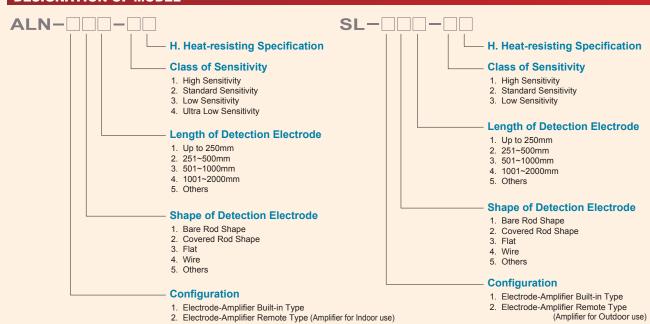
REMOTE Model







DESIGNATION OF MODEL



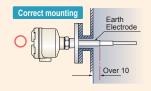
3. Electrode-Amplifier Remote Type (Amplifier for Outdoor use)

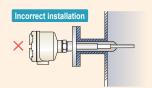
Please provide us with the following in	forma	ation when in	quiri	ng and	dordering
1. Name of material to be measured	[
2. Dielectric constant, conductivity	[
3. Material [Liquid • Powder (Gra	nularit	y) • Slurry (ср)
4. Tendency to buildup		Yes	•	No	
5. Corrosive		Yes	•	No	
6. Tank Materials					
7. Agitator etc.		Yes	•	No	
8. Service Temperature					°C
9. Service Pressure	[Pa
10. Detection Point	[Upper	• Lo	wer •	etc
11.Mounting	[Vertical • H	orizo	ntal •	Tilt•etc
12.Process Connection	[Flange •	Scre	wed	• etc
13. Height of Standpipe	[mm _
14. Electrode Length	[mm _

SENSITIVITY		
Model	Class Dielectric Cons	
ALN - DD - 1	High sensitivity (0.5~20PF)	1.5~7
ALN - DD - 2	Standard sensitivity (2~50PF)	7~80
ALN - 3	Low sensitivity (20~1,000PF)	Over 70
ALN 4	Ultra low sensitivity (5~35Ω)	Resistance value 5~35Ω

■ INSTRUCTION ON SETTING

Earth electrode must be protruded at least 10mm, inside the tank if the buildup is heavy then more than 50mm.





Line of business

- Rotary Paddle Type Level Switch
- Vibration Type Level Switch
- Swing Type Level Switch
- · Acoustic Level Switch
- Capacitance Type Level Switch
- Capacitive Proximity Sensor
- · Capacitance Type Level Indicator
- Diaphragm Type Level Switch
- Tilt Switch
- · Leak Type Level Switch
- · Microwave Switch

- · Dust Monitor System · Zirconia Oxygen Analyzer

Float Switch

Laser Type Level Indicator

· Float Type Level Indicator

- RADAR Type Level Indicator

• Conductance Type Level Switch

• Ultrasonic Type Level Indicator

• Equipments For Conveyor Lines

- On-line Sensors for Accurate Liquid Analysis
- Sounding Bob Type Level Indicator Ultrasonic Flow meter
- Flow Switch

*Please be sure to read USER'S GUIDE, Installation & Operation Instructions before using the instrument.

*The specifications herein may be subject to change without advance notice.

Nuclear Power Generation to Rice Milling All-round Manufacturer of Level Controllers for Powder, Granules and Liquid

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e-mail: info@kansai-automation.co.jp

http://www.kansai-automation.co.jp

Design, development, and manu
of level measuring sensors

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Nagoya Office: 3-31-27, Uchiyama, Chigusa-ku, Nagoya 464-0075, Japan TEL. 81-52-741-2432 FAX. 81-52-741-1588

Kyushu Office: 1-2-39, Asano, Kokura Kita-ku, Kitakyushu 802-0001, Japan TEL. 81-93-511-4741 FAX. 81-93-511-4580

Agent