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## SMALL ROTARY PADDLE TYPE LEVEL SWITCH **LEMICON-S**

Palm-size for small tank!

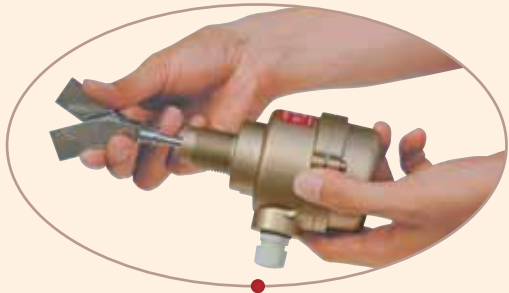
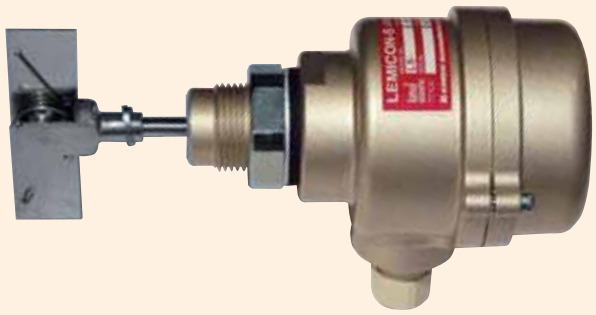


**High quality and lightweight as well as  
high performance and budget price!**

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# LEMICON-S SMALL ROTARY PADDLE TYPE LEVEL SWITCH

Compact and low price with high performance and quality!!



## ■ Working principle

A detection paddle inside the tank is turned by synchronous motor, the paddle is arrested to rotate by a load of the object to be measured. An actuator fixed on the motor activates a limit switch to stop the motor, providing a detection signal.

## ■ Specifications

- Power supply : 100~110VAC or 200~220VAC (50/60Hz)
- Contact rating : 250VAC 3A (Resistance Load, SPDT)
- Paddle revolution : 0.83rpm (50Hz) /1.00rpm (60Hz)
- Direction of rotation : Clockwise (Viewing From Paddle)
- Power consumption : 1.5W
- Temperature range : 0~50°C (Neither condensed nor frozen)
- Heat resistant type 0~120°C
- Withstand voltage : 1500VAC for one minute
- Operation torque : 170~270N·m×10<sup>-4</sup>
- Color : Gold
- Set screw : G 3/4 (Material ADC)
- Locknut : Hexagonal nut (Material ADC)
- Cable length : 500mm (MAX)

\*Wetted parts of stainless steel available

No removal of paddle, just folding the paddle makes installation easy.

- 1

Remove Locknut, Washer, and Gasket
- 2

Fold Paddle
- 3

Insert the paddle folded
- 4

Comes back to initial position automatically
- 5

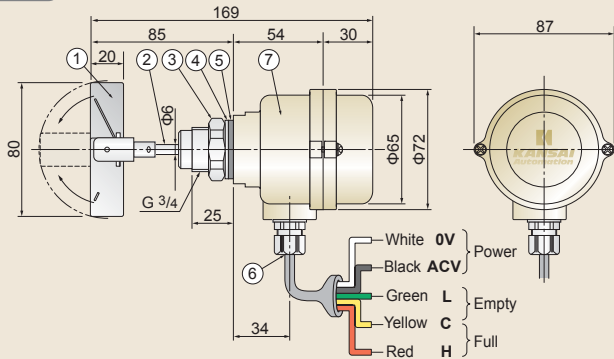
Fix the level switch

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## OUTLINE DRAWING

### STANDARD TYPE

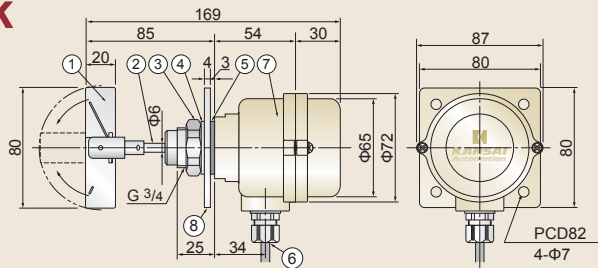
#### model LS



No.	Parts name	Material
1	Unfolding paddle	304SS
2	Shaft	304SS
3	Locknut	ADC
4	Washer	ALP
5	Gasket	NBR
6	Wire outlet	PVC
7	Case	ADC

### SQUARE FLANGE TYPE \*Wetted parts of stainless steel available

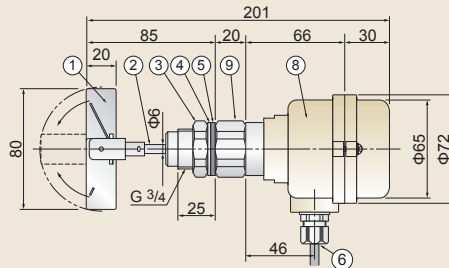
#### model LS-K



No.	Parts name	Material
1	Unfolding paddle	304SS
2	Shaft	304SS
3	Lock nut	ADC/304SS
4	Washer	ALP/304SS
5	Gasket	NBR
6	Wire outlet	PVC
7	Case	ADC
8	Flange	ALP/304SS

### STANDARD TYPE (Wetted parts of stainless steel)

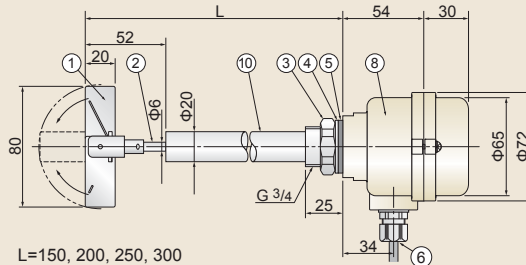
#### model LS



No.	Parts name	Material
1	Unfolding paddle	304SS
2	Shaft	304SS
3	Locknut	304SS
4	Washer	304SS
5	Gasket	NBR
6	Wire outlet	PVC
7	Case	ADC
8	Socket	304SS

### EXTENSION PIPE TYPE \*Wetted parts of stainless steel available

#### model LS-S

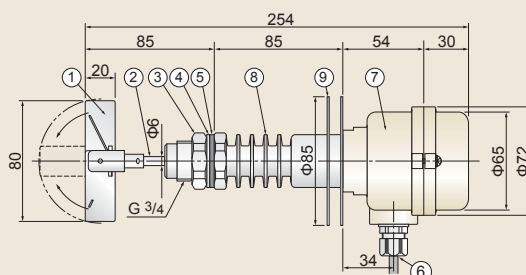


L=150, 200, 250, 300

No.	Parts name	Material
1	Unfolding paddle	304SS
2	Shaft	304SS
3	Locknut	ADC/304SS
4	Washer	ALP/304SS
5	Gasket	NBR
6	Wire outlet	PVC
7	Case	ADC
8	Extension pipe	AL/304SS

### HEAT-RESISTANT TYPE \*Wetted parts of stainless steel available

#### model LS-H



No.	Parts name	Material
1	Unfolding paddle	304SS
2	Shaft	304SS
3	Locknut	ADC/304SS
4	Washer	ALP/304
5	Gasket	Silicon
6	Wire outlet	PVC
7	Case	ADC
8	H joint	A C
9	Radiation fin	ALP

### DESIGNATION OF MODEL

LS-□□-□

**Power Supply**

- 1 AC100~110V
- 2 AC200~220V

**Shape of Detection Part**

- Blank Standard
- S Extension Pipe Type
- H Heat-resistant

**Process Connection**

- Blank Set Screw
- K Flange

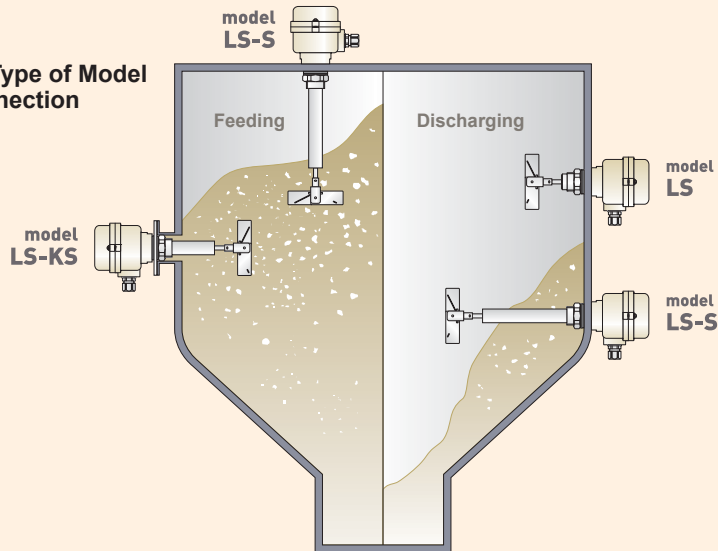
**Small Rotary Paddle Type Level Switch**



**with OPERATION LAMP**  
(LED, option)

### EXAMPLE OF MOUNTING METHOD

Select a Correct Type of Model and Process Connection



#### 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
- Sounding Bob Type Level Indicator
- Flow Switch
- Conductance Type Level Switch
- Float Switch
- Float Type Level Indicator
- Ultrasonic Type Level Indicator
- Equipments For Conveyor Lines
- Dust Monitor System
- Zirconia Oxygen Analyzer
- Laser Type Level Indicator
- RADAR Type Level Indicator
- On-line Sensors for Accurate Liquid Analysis
- Ultrasonic Flow meter

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

**KANSAI Automation Co., Ltd.**



Design, development, and manufacture of level measuring sensors

\*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.

