

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

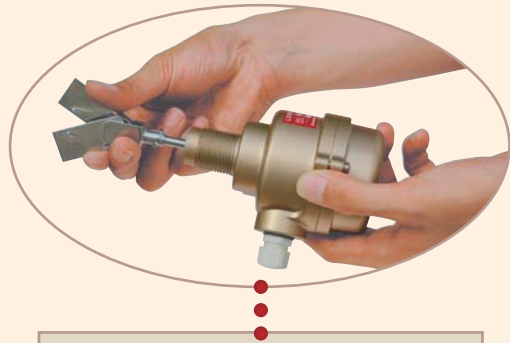
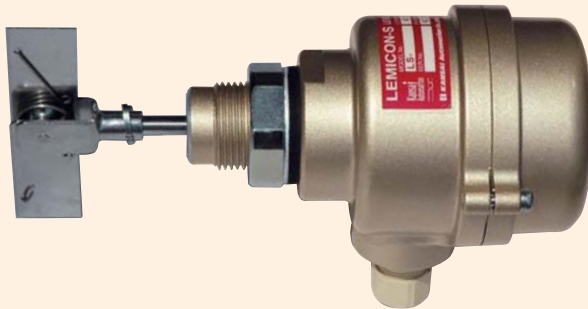
Palm-size for small tank!



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

# 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

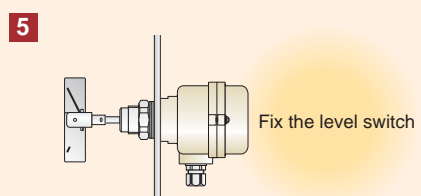
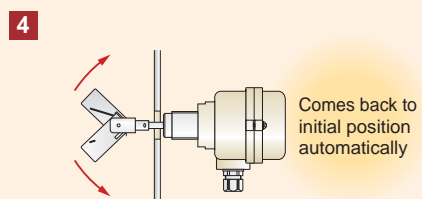
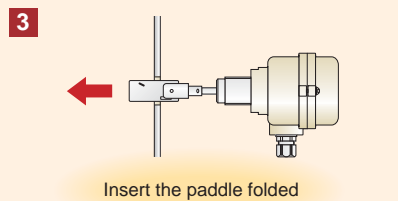
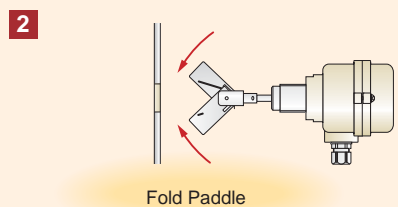
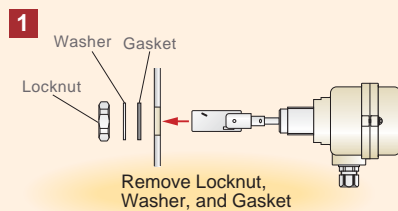
Set screw : G 3/4 (Material ADC)

Locknut : Hexagonal nut (Material ADC)

Cable length : 500mm (MAX)

\*Wetted parts of stainless steel available

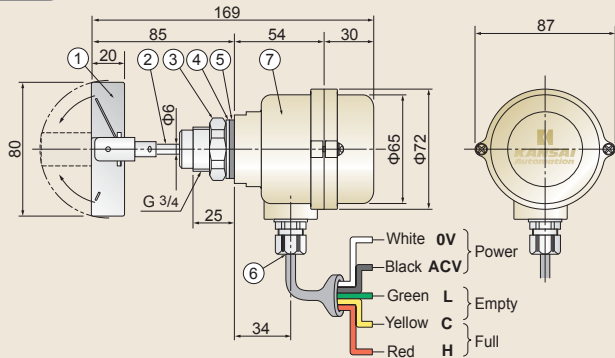
No removal of paddle, just folding the paddle makes installation easy.



## OUTLINE DRAWING

### STANDARD TYPE

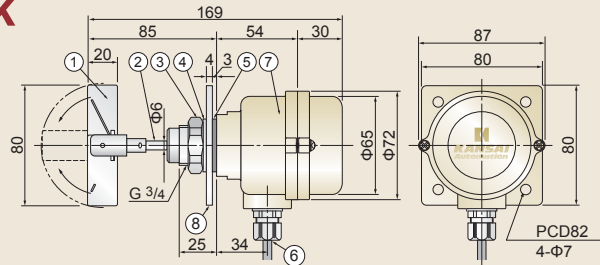
#### model LS



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

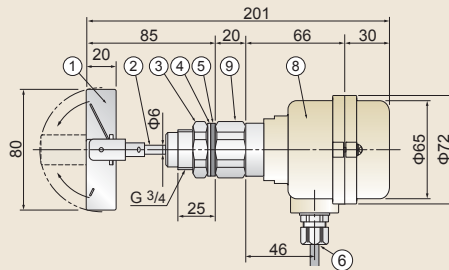
#### model LS-K



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)

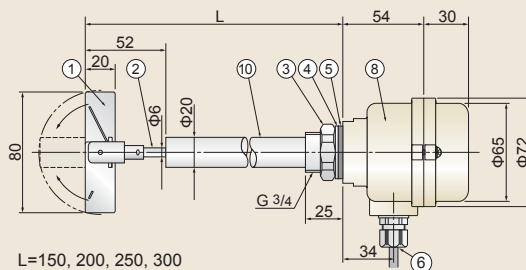
#### model LS



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

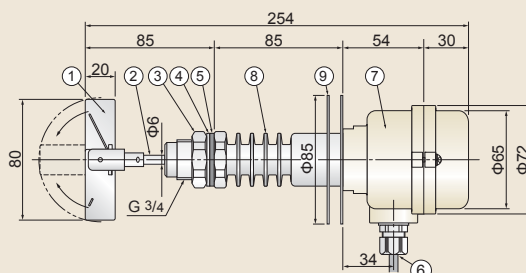


L=150, 200, 250, 300

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

- 1 100~110V AC
- 2 200~220V AC

### Shape of Detection Part

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

### Process Connection

- Blank Set Screw
- K Flange

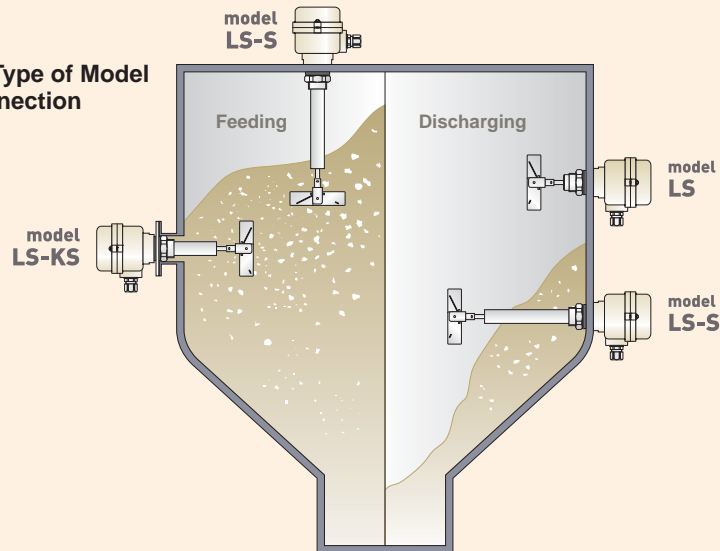
### Small Rotary Paddle Type Level Switch



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

All-round Manufacturer of Level Controllers for Powder, Granules and Liquid

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Agent

\*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.