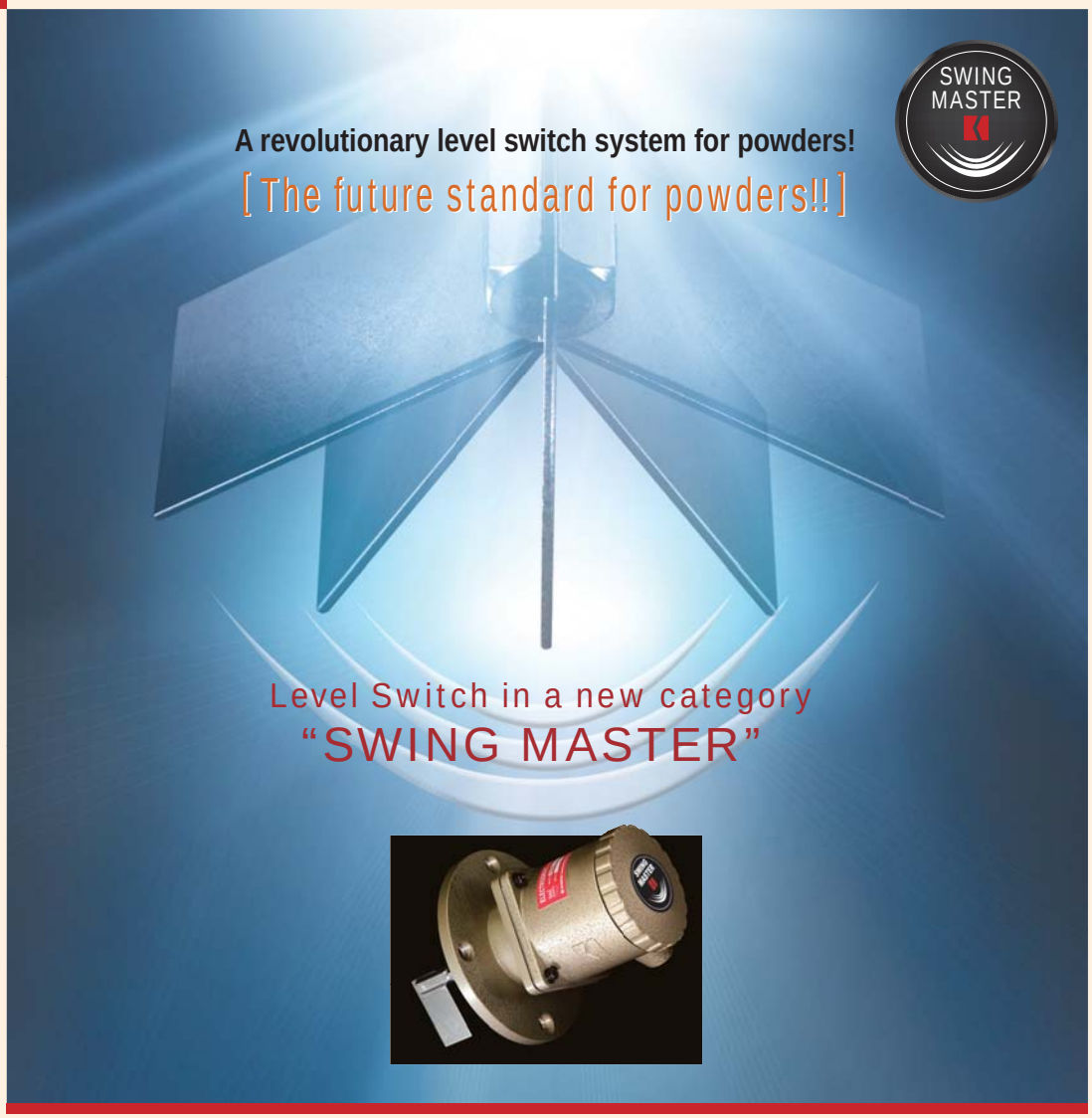
LEVEL SENSORS

SWING TYPE LEVEL SWITCH

SWM SWINGMASTER



The partition wall completely separates the electronic circuit from the swing unit.
A utility level switch for various applications

KANSAI Automation

CAT. No. SWM-346-2210E

THE SWING MOVEMENT STANDS ON SOPHISTICATED PRINCIPLES

Many years of experience and technology have created the ideal measurement principle for powder level switches.

WHY IS INSTANTANEOUS EFFECTIVE?

The instantaneous movements ensure the following:

- **Reliably detect powders with low specific gravity as well!**
- **Hardly affected by contamination, it can be applied to any substances to be measured.**
- **Even if the paddle is buried, the torque is constant and its reversion is stable.**

SWM-8B
Standard Type

SWM-8BS
Protective-tube

SWM-8BH
Heat-resistant Type

Standard Specification

Power : 100~240VAC 50/60Hz
(Allowable range 85~250VAC)
Option: DC power (DC20-36V)

Power Requirements : 12VA

Output : Relay contact 1C
(250VAC 5A)

Temperature : Ambient 50°C
Inside Tank 60°C
(Max 250°C /Withstand pressure 0.02MPa)
Consult with us for high temperature/pressure.

Withstand Pressure : 0.2MPa
Option 0.5MPa

Detection : Specific Gravity over 0.1

Display : LED in green → indicate (Paddle swinging)
LED in red → indicate (detecting)

Installation : Flange Equivalent to JIS5K65A

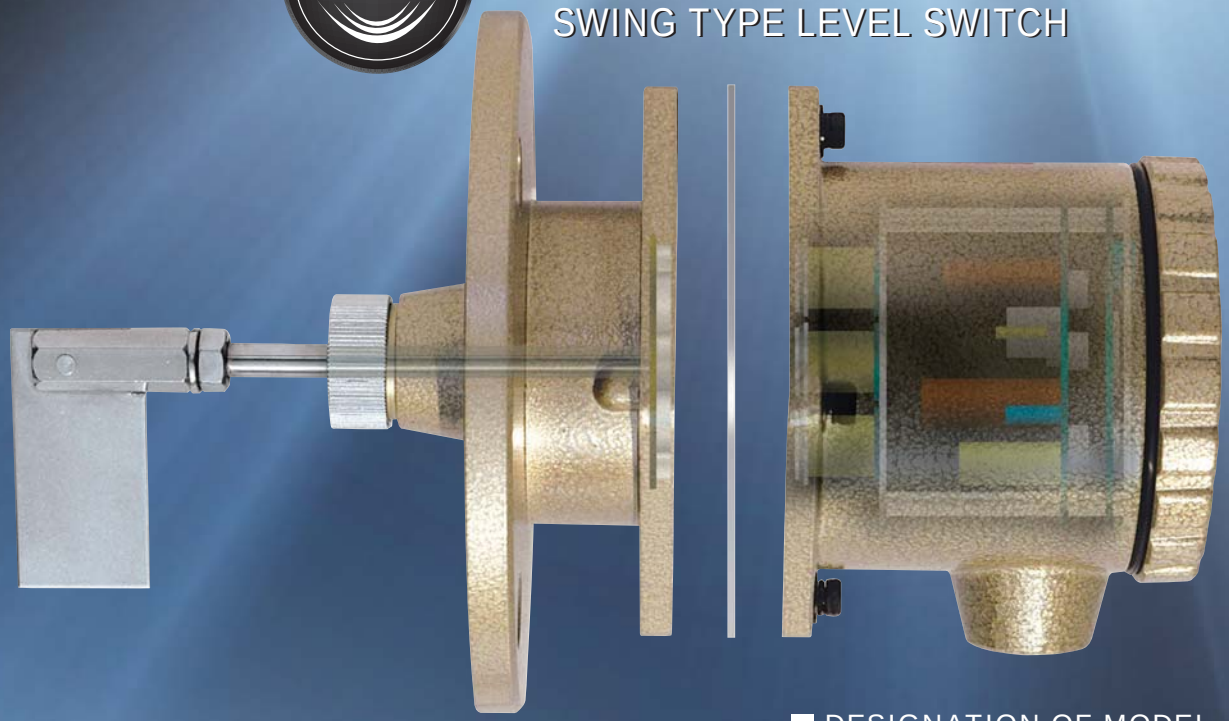
Housing : Material AC
Protection grade: IP67 (AC flange)
IP55 (SUS flange, Heat resistant type)
Painted Color hammer-net gold

Paddle/ Main Shaft : Material SUS304

Cable conduit : G1/2

SWM SWINGMASTER

SWING TYPE LEVEL SWITCH



DESIGNATION OF MODEL

SWM-□□□□□□□

Vibration proof
- Blank Standard
- M Amprifer, molding resin

Type of Detection Unit
- S Extension Supporting Pipe Type
- F Flexible Shaft Type
- A Adjustable Shaft Type
- Y Supporting Cover Type
- H Heat Resistant Type(Max 250°C/ Withstand Pressure 0.02MPa) *Consult with us for high temperature/pressure.

Shape of Main body
- 8B 8B Shaft Φ8
- 15B 15B Shaft Φ15

REASONS FOR A PARTITION WALL BEING APPLIED

Transmittance of movements from electronic circuit to swinging part by using a magnetic force via the partition wall enables the following:

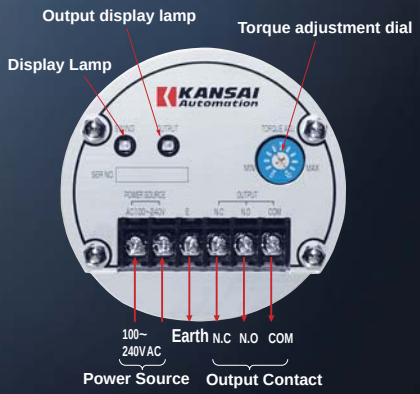
- To prevent measured substances from intruding into instruments.
- To ignore an excessive load from the paddle.
- It can be applied to high-pressured tanks as well. (Standard 0.2Mpa, option 0.5Mpa)

SWM-8BA
Shaft-length Adjustment Type

SWM-15B
Load resistance Type

SWM-8B (SUS)
Standard Type

Amplifier wiring



WHY IS THE ELECTRONIC CIRCUIT APPLIED?

The reason for generating driving force with electronic circuit instead of motor

- The torque is constant for a long period of time, and its operation is stable.
- There being no moving part such as gear, clutch and so on, it secures a significantly long life.
- The unit comes up with the universal power supply(100~240VAC) that was likely impossible in this product category

DIMENSIONAL DRAWING

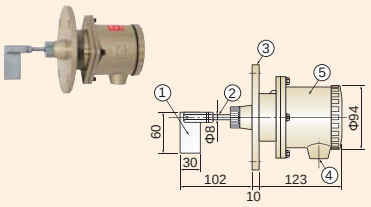
SWM-8B
Standard Type

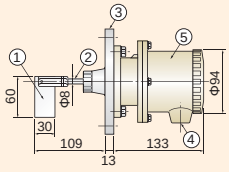
Withstand Pressure 0.2MPa

●SWM-8B (AC)

1	Paddle	SUS304
2	Main shaft	SUS304
3	Flange	AC
4	Cable conduit	AC
5	Housing	AC

Weight：about 1.9 kg





●SWM-8B (SUS)

Withstand Pressure 0.5MPa

1	Paddle	SUS304
2	Main shaft	SUS304
3	Flange	SUS304
4	Cable conduit	AC
5	Housing	AC

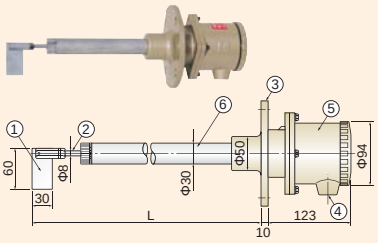
SWM-8BS
Protective-tube Extension Type

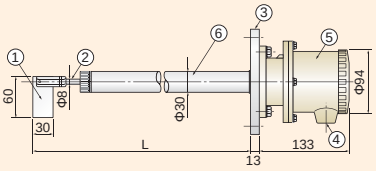
Withstand Pressure 0.2MPa

●SWM-8BS (AC)

1	Paddle	SUS304
2	Main shaft	SUS304
3	Flange	AC
4	Cable conduit	AC
5	Housing	AC
6	Protective tube	SUS304

Weight：about 2.25 kg





●SWM-8BS (SUS)

Withstand Pressure 0.5MPa

1	Paddle	SUS304
2	Main shaft	SUS304
3	Flange	SUS304
4	Cable conduit	AC
5	Housing	AC
6	Protective tube	SUS304

SWM-8BH
Heat-resistant Type

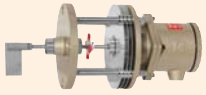
(Max250°C / Withstand pressure 0.02MPa)

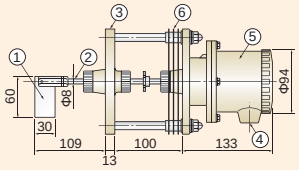
*Consult with us for high temp/pressure.

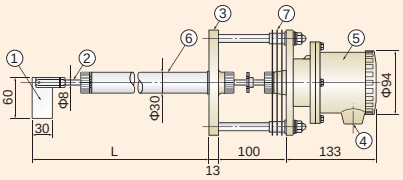
●SWM-8BH (SS)

1	Paddle	SUS304
2	Main shaft	SUS304
3	Flange	SS400/SUS304
4	Cable conduit	AC
5	Housing	AC
6	Radiation fin	ALP

Weight：about 4.65 kg







●SWM-8BHS (AC)

1	Paddle	SUS304
2	Main shaft	SUS304
3	Flange	SS400/SUS304
4	Cable conduit	AC
5	Housing	AC
6	Protective tube	SUS304
7	Radiation fin	ALP

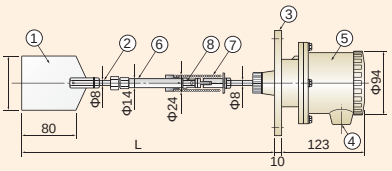
SWM-8BA
Shaft-length Adjustment Type

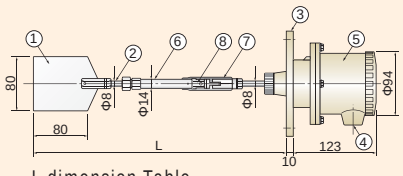
Withstand Pressure 0.2MPa

●SWM-8BA(AC·SP)

1	Paddle	SUS304
2	Main shaft	SUS304
3	Flange	AC
4	Cable conduit	AC
5	Housing	AC
6	Protective tube	SUS304/SGP
7	Spring	SWP/SUS304
8	Universal joint	SS400/SUS304

Weight：about 2.45 kg





L-dimension Table
(8BA shaft-length adjustment dimensions)

STD Time

No.	Max dimension (mm)	Min Dimension (mm)	No.	Max dimension (mm)	Min Dimension (mm)
1	524	398	5	2,524	1,398
2	1,024	648	6	3,024	1,648
3	1,524	898	7	4,024	2,148
4	2,024	1,148	8	5,024	2,648

●SWM-8BA (AC)

Withstand Pressure 0.2MPa

1	Paddle	SUS304
2	Main shaft	SUS304
3	Flange	AC
4	Cable conduit	AC
5	Housing	AC
6	Protective tube	SUS304/SGP
7	Joint cover	NBR
8	Universal joint	SS400

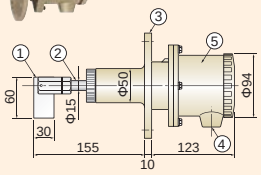
SWM-15B
Load resistance Type

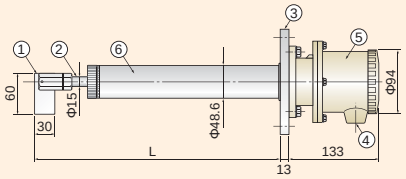
Withstand Pressure 0.2MPa

●SWM-15B (AC)

1	Paddle	SUS304
2	Main shaft	SUS304
3	Flange	AC
4	Cable conduit	AC
5	Housing	AC

Weight：about 2.45 kg





●SWM-15BS(SUS)

Withstand Pressure 0.5MPa

1	Paddle	SUS304
2	Main shaft	SUS304
3	Flange	SUS304
4	Cable conduit	AC
5	Housing	AC
6	Protective tube	

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
- Ultrasonic Flow meter

*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.

General Manufacturer of Level Controllers for Powder, Granules, and Liquid

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