

SWING TYPE LEVEL SWITCH

Model **SWM** **SWINGMASTER**[®]

Epoch-making Level Switch for powder
[Can be a standard for years to come]



Level Switch in a new category
"SWING MASTER"



An isolation completely separates the electronic
circuit from the swing unit.
A utility level switch for various applications

THE SWING MOVEMENT STANDS ON SOPHISTICATED PRINCIPLES

One and only development for Powder Level Switch, based on our extensive experiences.



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.



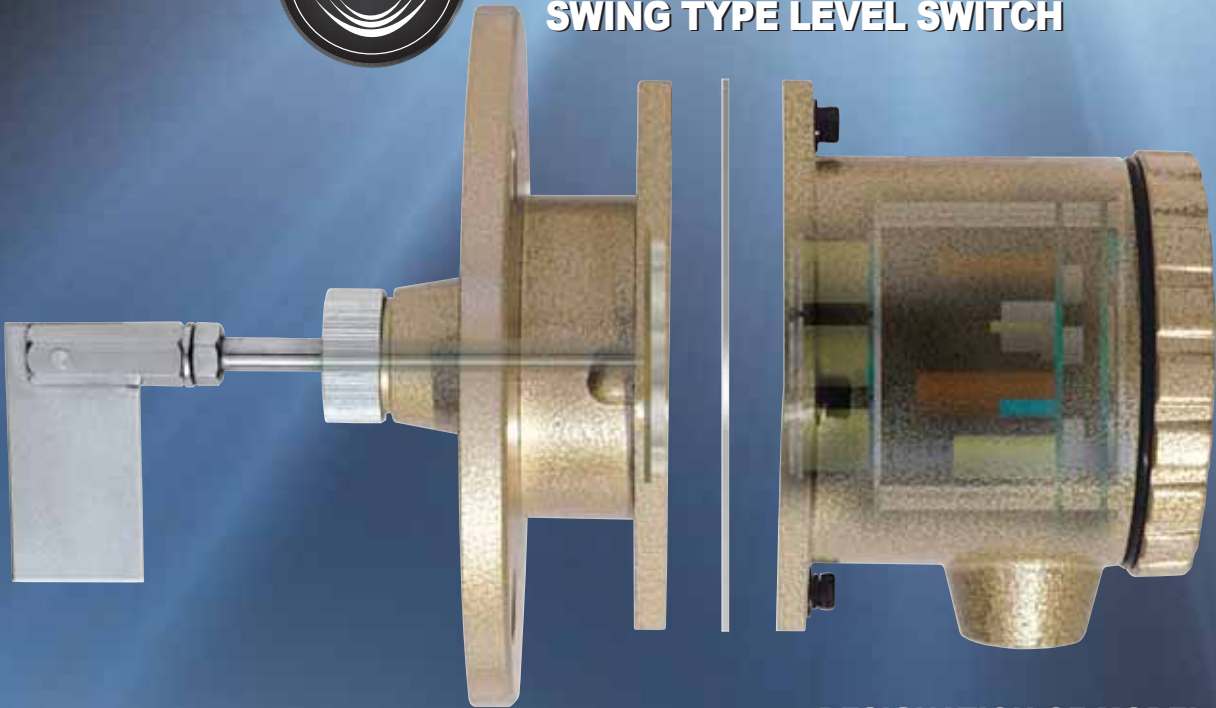
■ Standard Specification

<p>Power : 100~240VAC 50/60Hz (Allowable range 85~250VAC)</p> <p>Power Requirements : 12W</p> <p>Output : Relay contact 1C (250VAC 5A)</p> <p>Measuring Interval : about 5 seconds</p> <p>Temperature : Ambient 50°C Inside Tank 60°C (Max 250°C /Withstand pressure 19.6KPa) Consult with us for high temperature/pressure.</p> <p>Withstand Pressure : 0.2MPa Option 0.5MPa</p>	<p>Detection : Specific Gravity over 0.1</p> <p>Display : LED in green → indicate (on swing)</p> <p>Installation : LED in red → indicate (detecting) Flange 5K65A JIS equiv</p> <p>Housing : Material AC Material AC Protection grade IP55 equiv. Painted Color hammer-net gold</p> <p>Paddle/ Main Shaft : Material 304SS</p> <p>Cable conduit : G1/2</p>
---	--



SWM SWINGMASTER®

SWING TYPE LEVEL SWITCH



REASONS FOR A ISOLATION BEING APPLIED

Transmittance of movements from electronic circuit to swinging part by using a magnetic force via the isolation 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)

DESIGNATION OF MODEL

SWM-□□□□□□

Shape of Detector

- S Protective-tube Extension Type
- F Flexible Type
- A Shaft-length Adjustment Type
- Y Protective-cover Type
- H Heat-resistant Type (Max 250°C/
Withstand Pressure 19.6KPa)
*Consult with us for high temperature/pressure.

Shape of Main body

- 8B 8B Shaft Φ8
- 15B 15B Shaft Φ15

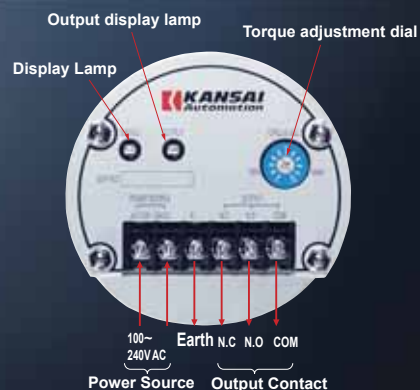


SWM-8BA
Shaft-length Adjustment Type

SWM-15B
Load resistance Type

SWM-8B (SUS)
Standard Type

Amplifier wiring



WHY IS THE ELECTRONIC MOTIVITY APPLIED?

A driving force by not a motor but an electronic circuit realizes the following:

- 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 dramatically long life.
- The unit comes up with the universal power supply(100~240VAC) that was likely impossible in this product category

