

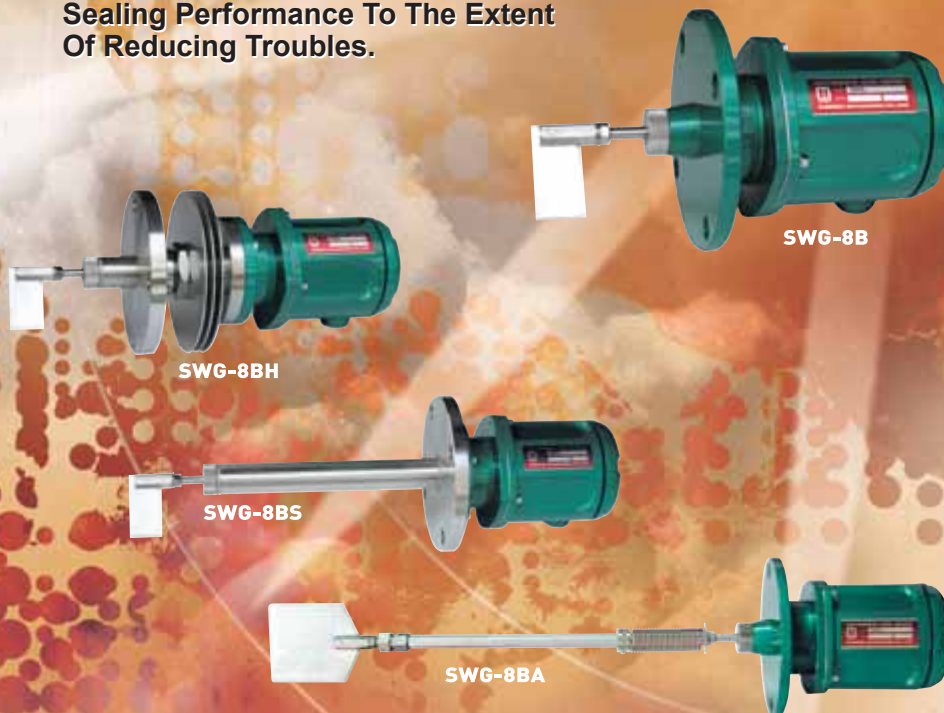


SWING TYPE LEVEL SWITCH

Model **SWG** **SWINGMASTER®**

Highly Reliable & Intelligent Sensor With Intensive Advantages Of Mechatronics. There Being No Consumable Part, It Is Nearly Maintenance Free.

The Pressure-Proof Construction Improves Sealing Performance To The Extent Of Reducing Troubles.



PATPEND

**NEWLY DEVELOPED "SWING MATER"
FUTURE SUTANDARD LEVEL SWITCH FOR POWDER**

SWG SWINGMASTER®

SWING TYPE LEVEL SWITCH

HIGH-DIMENSIONAL INTEGRATION OF ELECTRONICS AND MECHATRONICS. IT IS FULLY FUNCTIONAL UNDER ANY HAZARDOUS PROCESSES



SWG-8B
STANDARD



SWG-8BS
EXTENDED PROTECTIVE-TUBE
Horizontal max.500mm
Vertical max.4000mm

**Petro
Chemistry**

Resin, Synthetic Rubber, Compound, Catalyst, Phenol

Chemistry

Chemical, Pharmaceutical, Agrichemical, Fertilizer, Toner, Activated Carbon, Pigment

Iron Making

Iron Ore, Coke, Burnt Lime, By-Material, Waste Plastic

Ceramic Industry

Powdered Coal, Cement, Hydrated Lime, Gypsum, Silica Sand, Casting Sand, Ceramic Powder

Power

Powdered Coal, Fly Ash, Carbonic Acid, Calcium, Gypsum

Environment

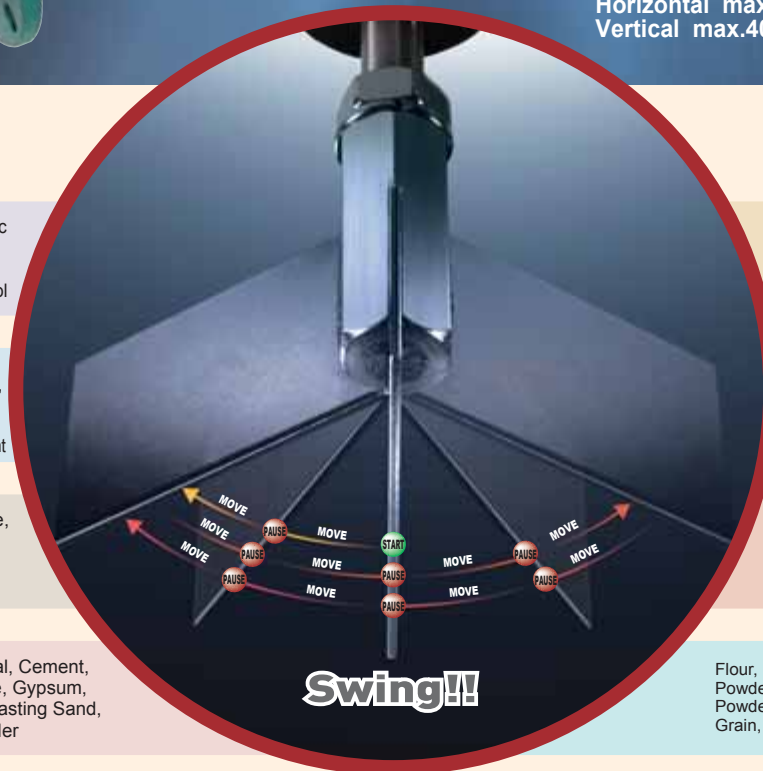
RDF, Incinerated Ash, Crushed Resin, Activated Carbon, Slag

Paper Pulp

Wood Chip, Wood Flour, Bleach, Lime, Clay

Food

Flour, Rice, Powdered Coffee, Powdered Milk, Seasoning, Grain, Spice, Feedstuff



- The running cost is kept to the minimum with consumable parts such as motor, gear, clutch and so on being removed.
- The sensor drive controlled by microcomputer makes the reliable operation come true to reduce maintenance cost.
- It is structurally designed to withstand load as Level Switch for the storage tank of powders and granules and can be utilized under any harsh applications as well.
- It reliably operates without being influenced by fouling on an object.
- The pressure-proof construction improves sealing performance to the extent of reducing troubles.

- The detection method that is not affected by changes of electric properties excels in reliability and repeatability and can be used with no care.
- The universal power of 100 / 240VAC being adopted, equipment damages by a careless input-mistake may be prevented.
- It is in principle constructed to operate normally regardless of any chattering caused by flowing materials.
- It is nearly maintenance-free, and can securely be used.
- The robust housing is suitable for any harsh applications.
- The sensitivity can be adjusted to the optimum level if necessary.



SWG-8BH

HEAT RESISTANT TYPE
Standard Heat Resistant
180°C



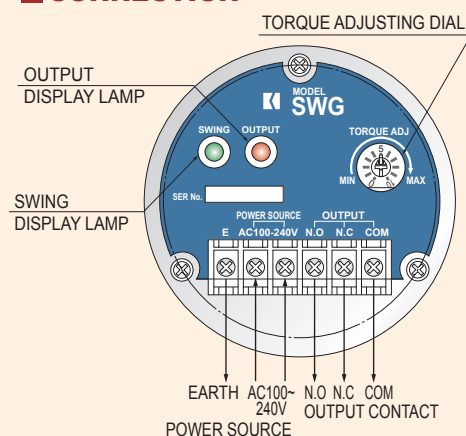
SWG-8BA

EXTENDED PROTECTIVE-TUBE
Vertically Installed, max.4000mm

STANDARD SPECIFICATION

- POWER** : 100~240VAC 50/60Hz
- POWER REQUIREMENTS** : 12W
- OUTPUT** : RELAY CONTACT 1C
CONTACT CAPACITY AC250V 5A
RESISTANCE LOAD
- WITHSTAND VOLTAGE** : 1500VAC ONE MINUTE
BETWEEN TERMINAL AND HOUSING
- MEASURING INTERVAL** : ABOUT 5 SECONDS
- TEMPERATURE** : AMBIENT BELOW 50°C
INSIDE TANK BELOW 60°C
- PRESSURE** : BELOW 0.2MPa OPTION 0.5MPa
- DETECTION SENSITIVITY** : APPARENT
SPECIFIC GRAVITY OVER 0.1 (ADJUSTABLE)
- DISPLAY** : OUTPUT DISPLAY LED (RED)
SWING DISPLAY LED (GREEN)
- INSTALLATION** : FLANGE JIS 5K65A EQUIV. MATERIAL AC
- HOUSING** : MATERIAL AC
PROTECTION RANK P55 EQUIVALENT
PAINTING COLOR METALLIC GREEN
- DETECTION PADDLE** : MATERIAL SUS304

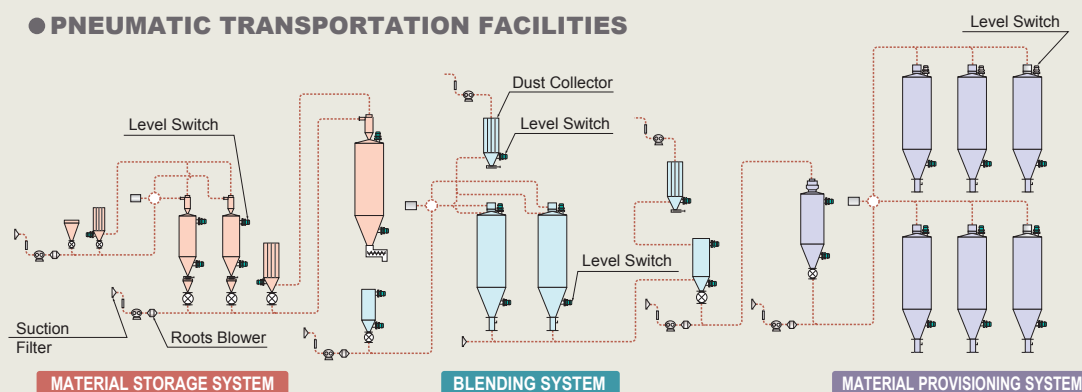
CONNECTION



- OUTPUT DISPLAY** : light when relay is ON
- SWING DISPLAY** : blinking at the time of SWING
- TORQUE ADJUSTMENT** : Intensify torque by clockwise rotation

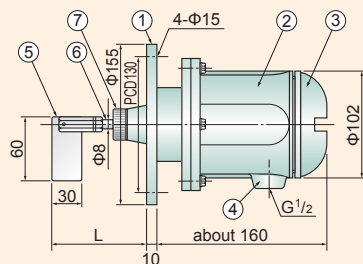
APPLICATION EXAMPLES

● PNEUMATIC TRANSPORTATION FACILITIES



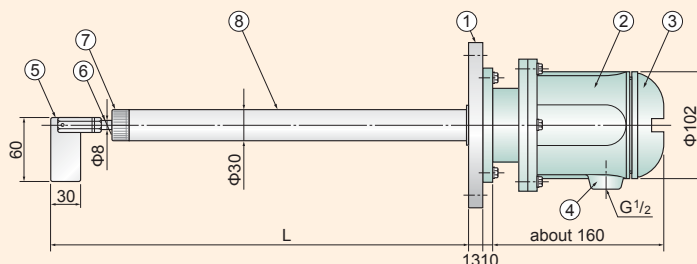
DIMENSIONAL DRAWING

SWG-8B Standard Type



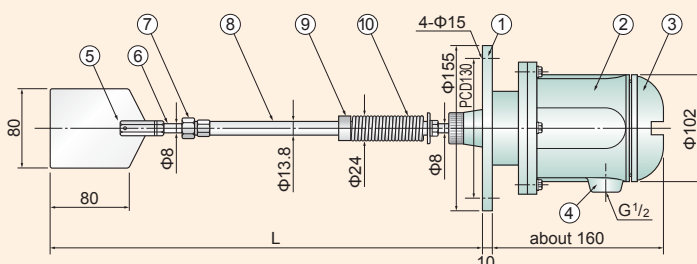
No.	Parts Name	Material	Qty	Remarks
1	Mount. Flange	AC	1	5K65A Equiv
2	Case	AC	1	
3	Cover	AC	1	
4	Cable Outlet	AC	1	G1/2
5	Paddle	SUS304	1	
6	Main shaft	SUS304	1	
7	Seal Cap	C3604	1	

SWG-8BS Extended Protective-Tube Type Horizontal max.500mm, Vertical max. 4000mm



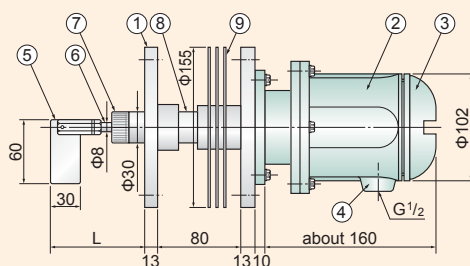
No.	Parts Name	Material	Qty	Remarks
1	Mount. Flange	SUS304	1	5K65A Equiv
2	Case	AC	1	
3	Cover	AC	1	
4	Cable Outlet	AC	1	G1/2
5	Paddle	SUS304	1	
6	Main shaft	SUS304	1	
7	Seal Cap	SUS304	1	
8	ProtectiveTube	SUS304	1	

SWG-8BA Shaft-length Adjustable Type Vertical mounting max. 4000mm



No.	Parts Name	Material	Qty	Remarks
1	Mount. Flange	AC	1	5K65A Equiv
2	Case	AC	1	
3	Cover	AC	1	
4	Cable Outlet	AC	1	G1/2
5	Paddle	SUS304	1	
6	Main shaft	SUS304	1	
7	Nut	SUS304	1	
8	ProtectiveTube	SUS304	1	
9	Stopper	SUS304	1	
10	Spring	SUS304	1	

SWG-8BH Heat-resistant Type Standard 180°C



No.	Parts Name	Material	Qty	Remarks
1	Mount. Flange	SUS304	1	5K65A Equiv
2	Case	AC	1	
3	Cover	AC	1	
4	Cable Outlet	AC	1	G1/2
5	Paddle	SUS304	1	
6	Main shaft	SUS304	1	
7	Seal Cap	SUS304	1	
8	ProtectiveTube	SUS304	1	
9	Heating Fin	ALP	1	

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

*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

KANSAI Automation Co.,Ltd.

Headquarters :

2-14, Togano-cho, Kita-ku, Osaka 530-0056, Japan

TEL. 81-6-6312-2071 FAX. 81-6-6314-0848

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

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

Tokyo Branch : 1-29-6, Hamamatsu-cho, Minato-ku, Tokyo 105-0013, Japan
TEL. 81-3-5777-6931 FAX. 81-3-5777-6933

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



Design, development, and manufacture of level measuring sensors

Agent