

ROD TYPE

For powder, grain, or mass



FEATURES

- Measurement is stable and unaffected by temperature, pressure, specific gravity, dielectric constant, or electrical conductivity.
- Maintenance-free construction uses a single rod where objects to be measure are difficult to attach to the probe.
- Material with excellent corrosion resistance and strength: SUS316Ti used.
- Highly visible operation easy to confirm even from outside: LED display installed.
- Fail-safe functions are standard.
- Sensitivity and delay time are selectable.
- Simple setting adjusted by dip switch alone.
- Optimum for controlling grains with apparent specific gravity ≥ 0.05 .
- Switches have no mechanical moving or shielded parts, providing excellent pressure resistance and durability.
- CE-authorized product (CE marking)

APPLICATIONS

Ideal for controlling plastic products (such as powder or pellets), food materials (such as powdered coffee, wheat flour, cereal grains, powdered milk, and sugar), pharmaceutical products, and other grains.

PRINCIPLE

Rod level switch vibration enables piezoelectric elements to vibrate by an electronic circuit converting movement to mechanical vibration. An internal electronic circuit determines current state and outputs it to a relay when the measured object contacts the vibrating fork detector, regulating vibration.

Model	RKH-502	RKH-500 series	
Type	Standard	Pipe extendable type	Cable type (vertical installation)
Probe length	207mm	300 – 3000mm	1 – 20m
Rod, fixing part material	SUS316Ti (DIN1.4571)		Rod: SUS316Ti (DIN1.4571) Cable: Polyethylene (PE) coating
Installation method	G1 1/2" (screw-in flange, as an option)		
Housing material	Aluminum: powder-particle paint coating		
Temperature	Detector temperature range	RK:-30°C – +110°C RH:-30°C – +160°C	-30°C – +95°C
	Peripheral temperature	-30°C – +60°C	
Acceptable pressure	2.5 MPa		0.6 MPa
Minimum detection sensitivity	Specific gravity ≥ 0.05		
Response time (selection time)	When detecting	<1.8 sec or 5 ± 1.5 sec	
	When recovering:	<2 sec or 5 ± 1.5 sec	
Operation display	2 colors LED (RED/GREEN)		
Output	SPDT relay		
Output rating	AC250V 8A		
Power supply cable inlet port	2 for $\phi 6 - 12$ mm cable \times M20 (0.75 – 2.5 mm ² wire sectional area)		
Supply voltage	Low voltage : AC16 – 40V DC19 – 55V		
	High voltage : AC85 – 265V DC120 – 375V		
Power consumption	Low voltage : ≤ 2.5 VA, 1.2W		
	High voltage : ≤ 2.5 VA, 1.3W		
Electrical protection	Class I		
Protection structure	IP67 (NEMA6)		
Mechanical characteristics (maximum value)	Leading end load : 445N		Tension load : 45kN
Weight (including extendable area)	1.94kg	1.94kg(+1.4kg/m)	1.94kg(+0.6kg/m)

※ This product is to be sold only in Chinese, Korean, and Taiwanese markets.