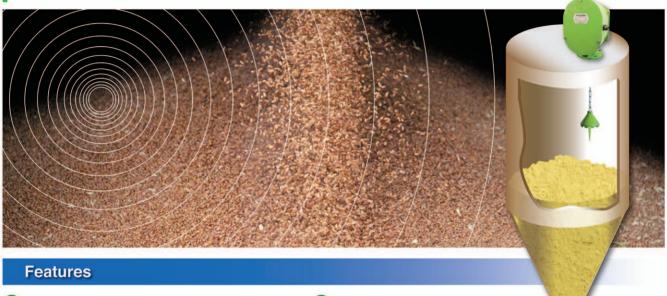


Sounding-V

Compact type level meter for powder storage level up to 20m.

Precisely measures the storage level in powder silo or tank and displays in remote indication.



- Anyone can use it easily Only set switch to measure storage level.
- Adjustment is unnecessary It is controlled automatically by micro computer.
- Auto-operation of storage tank by one Sounding V unit is possible.

Outputs the measured value by DC4~20mA signal.

- It can measure the powder level correctly Guaranteed accuracy within 1%(from 2 m to 20 m).
- Automatic measurement is also available It is equipped with an 8 step switching timer from 1 to 60 minutes.

Durability is excellent

Casing and the main parts are of FRP resin.

- Installation is easy Only mount on the JIS 10 K 4 B flange to complete installation.
- Countermeasures to problems are perfect If trouble occurs, an alarm signal is outputted immediately.
- Power is AC 100V

Worked by single phase power (both 50/60Hz) (power consumption 30 VA)

Both of trouble display and test lamp.

Sets the measuring distance of 0.1m interval. Only setting the switch according to the size of storing tanks is needed for measurement.

1,3,5,10,15,20,30,60 minute interval

Adjustment is unnecessary. Micro computer operates controls

Break-Motor type, having built-in thermal switch to prevent a burn due to high frequency operation.

Photo sensor, Operates when Sensing Weight is raised to the waiting position.

Zero and Span setting are adjustable in 0.1m pitch.

Connects power alarm cable (4 cores) to signal cable (3 cores).

Photo sensor, Operates when Sensing Weight reaches to the surface of the powder.

Photo sensor, Pulse signal is transmitted according to the falling distance of Sensing Weight.

Same size as the JIS 10 K 4 B

(But mounting hole are 4 spots)

Applicable to powder or bulk solid larger than specific gravity 0.4g/cm3.

Free to set in the range of measuring distance.(0.1m interval)

(Option)

■Current Indicator(option)

Input signal: DC4~20mA Meter Relay is available for substitute.

110mm / square 4~20mA DC 0~100% scale coating color munsel N 1.5



Sensing Weight

material: SUS 304 weight: 1.2kg

Equipped with

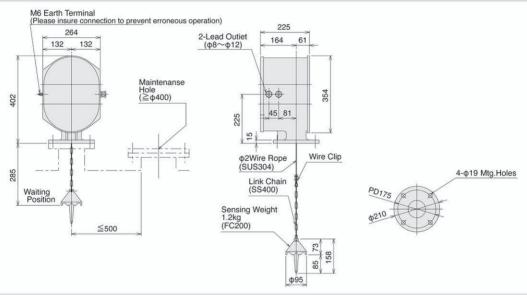
SUS 304 type connection chain.



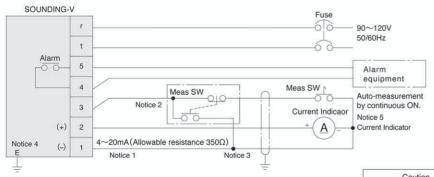
Standard Specification

Туре	MDVC-2S2 type	Sensing Weigt	1.2kg(Volume gravity of object is more than 0.4g/cm
Wire rope	φ2mm (SUS304) strength 3.5kN (358kgf)	Operaiting motor(25W) Main parts materials	All closing form condenser motor, B-type isolation, permanent brake, special rank thermal protector built in (return itself type) exterior, flange, drum: FRP resin wire rope: SUS 304 sounding lead: FC 200 sounding lead chain: SS 400 drum axis, pulley axis: S 35 C·S 15C roll top detection lever: SS 400
Measuring distance	0~20m		
Measuring accuracy	1% F.S. of		
Output signal	DC4~20mA load resistance : 350Ω or less		
Traveling speed	8.8/10.5m/min (50/60Hz)		
Measuring signal	One measurement by instantaneous ON (adove 0.1 sec) Auto measurement with internal timer by continuous ON		
Automatic Measuring	1,3,5,10,15,20,30,60min intervals	Power spurce	AC90~120V 50/60Hz (30VA)
		Ambient temperature −10°C ∼ +50°C	
Measuring frequency	Max.50% ED(continuous measurement is possible when the measuring time is equal to or less than the pausing time.)		-10 C ?~ T 50 C
		Protection	IP55 against pressure case ± 1.96kPa
Alarm	Alarm contact turns ON when rope is cut and motor is over loaded.	Coating color	Munsell 7.5GY 6/10
		Weight	12kg(included Sensing Weight)

Specifications



Connection Diagram



- Notice 1 When the power is ON, output signal keeps 4 mA till the first measuring.
 - 2 If two or more measuring switches are installed, use a \cdot b contact of push-button switch.
 - If induction noise is large, earth on receiving side by using
 - shield-line.

 - Surely ground the housing earth.
 When power is tuned ON with 1-3 terminals short-circuited (aoutmatic measurement), the measurement will start immediately. Pay attention when turning on the power.

Specifications are subject to change without notice.

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Caution

Read the instructions to ensure correct and suitable application

of products.

Contact our nearest sales office when using our products for any systems used in situations which may be life threatening.

Distributor



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