Sounding-V

SOUNDING-V

Compact type level meter for powder storage level up to 20m.
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 4~20mA 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 50/60 Hz) (power consumption 30 VA).

Sounding V
Sensing Weight is hoisted down in the storage tank to measure the powder level. The Sensing Weight is hoisted up just after the measurement.

Power Switch (out of supply)
90~120V 50/60Hz
Unnecessary if wired from established control panel.

Alarm Equipment (out of supply)

Sounding Switch (out of supply)
When keeping "ON", the timer operates automatic measurement.

Current Indicator (option)
Input signal: 4~20 mA
Meter Relay is available for substitute.
110 mm/square
4~20 mA DC
0~100% scale coating color
munsel N 1.5

Sensing Weight
Material: SUS 304
Weight: 1.2 kg
Equipped with SUS 304 type connection chain
Applicable to corrosive powder larger than specific gravity 0.4.
Standard Specification

<table>
<thead>
<tr>
<th>Type</th>
<th>MDVC-2S2 type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wire rope</td>
<td>2 mm, 7x7 ropes (strength 358 kg)</td>
</tr>
<tr>
<td>Measuring distance</td>
<td>0~20 m</td>
</tr>
<tr>
<td>Measuring accuracy</td>
<td>1% F.S. of</td>
</tr>
<tr>
<td>Output signal</td>
<td>DC4 ~ 20 mA load resistance: 350 Ω or less</td>
</tr>
<tr>
<td>Traveling speed</td>
<td>8.8 /10.5m/min (50/60Hz)</td>
</tr>
<tr>
<td>Measuring signal</td>
<td>One measurement by instantaneous ON (above 0.1 sec) Auto measurement with internal timer by continuous ON</td>
</tr>
<tr>
<td>Automatic Measuring</td>
<td>1, 3, 5, 10, 15, 20, 30, 60 min intervals</td>
</tr>
<tr>
<td>Measuring frequency</td>
<td>Max. 50 % ED (Continuous measurement is possible when the measuring time is equal to or less than the pausing time.)</td>
</tr>
<tr>
<td>Alarm</td>
<td>Alarm contact turns ON when rope is cut and motor is over loaded.</td>
</tr>
</tbody>
</table>

| Sensing Weight     | 1.2 kg (Volume gravity of object is more than 0.4) |
| Operating motor (25W) | All closing form condenser motor, E-type isolation, permanent brake, special rank thermal protector built in (return itself type) |
| Main parts materials | exterior, flange, drum: FRP resin wire rope: SUS 304 sounding lead: FG 20 sounding lead chain: SS 41 drum axis, pulley axis: S35 C-15 C roll top detection lever: SS 41 P |
| Power Source       | 90~120 V 50/60Hz (30 VA) |
| Ambient temperature| -10 °C ~ +50 °C |
| Protection         | IP 55 against pressure case ± 200mmAq |
| Coating color      | Munsell 7.5GY6/10 |
| Weight             | 12 kg (included Sensing Weight) |
**Dimension Diagram in mm**

- M6 Earth Terminal
- 264
- 132
- 315
- Waiting Position
- 500
- 4 \( \phi 19 \) Mtg.Holes
- PD175
- \( \phi 210 \)
- 2 Lead Outlet
- (\( \phi 12 \))
- Maintenance Hole
- (\( \phi 40 \))
- 164
- 61
- 225
- 15
- 45
- 81
- 354
- 158
- 73
- Sensing Weight 1.2kg
- (FC200)
- Link Chain
- (SS400)
- 2 Wire Rope
- (SUS304)
- 2 Wire Clip

**Connection Diagram**

<table>
<thead>
<tr>
<th>SOUNING-V</th>
<th>Power SW</th>
</tr>
</thead>
<tbody>
<tr>
<td>r</td>
<td>90~120 V</td>
</tr>
<tr>
<td>t</td>
<td>50/60Hz</td>
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</tbody>
</table>

- Notice 2
- Notice 1
- Notice 3

**CAUTION**

- For proper and safety use of the product, read thoroughly the instruction manual before using.
- Consult with our representatives where there is a possibility to apply the product to such system that requires safety directly relating to human body.

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Specifications are subject to change without notice.
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