

S P E C I F I C A T I O N S

1. NAME : VIBRATING LEVEL SENSOR
2. MODEL : VM31, VM32
3. MEASURING OBJECT: Powder, Granular materials.
4. OPERATION CHARACTERISTICS
 - 4.1 Sensitivity : Bulk density : 0.2 g/cm³ Min.
 - 4.2 Indication : By Red LED for Relay status
 - 4.3 Vibration Frequency : Approx. 500 Hz
5. ELECTRICAL CHARACTERISTICS
 - 5.1 Power Supply : VM31 ; 90 to 132 V AC 50/60 Hz
VM32 ; 180 to 264 V AC 50/60 Hz
 - 5.2 Power Consumption : Approx. 2.5 VA Max.
 - 5.3 Output : Relay contact (1 SPDT)
Fail-safe mode is selected for turn-on or turn-off at detection.
Switching delay time: Turn-on, approx. 3 sec.
Turn-off, approx. 3 sec.
 - 5.4 Contact Rating : 240 V 3 A AC , 30 V 3 A DC (Resistive load)
 - 5.5 Withstand Voltage : 1500 V AC , 1 minute.
Between housing and each terminal except "E" terminal.
 - 5.6 Insulation Resistance: 500 V DC more than 100 MΩ
Between housing and each terminal except "E" terminal.
6. MECHANICAL CHARACTERISTICS
 - 6.1 Withstand Pressure : 1 MPa Max.
 - 6.2 Concentrated Load : Horizontal ; 0.12 kN Max.(at the tip of the detection rod)
Vertical ; 0.23 kN Max.(at the tip of the detection rod)
7. ENVIRONMENT
 - 7.1 Working Temperature : Detecting part ; -20 to +80 ℃ (Get rid of dew.)
Housing ; -20 to +60 ℃ (Get rid of dew.)
 - 7.2 Working Humidity : 5 to 85 % RH
8. CONSTRUCTION : Detecting part ; waterproof construction (IP68)
Housing ; drip-proof construction (IP65)
9. PHYSICAL
 - 9.1 Materials : Detecting part ; 304 Stainless steel, Brass, Silicon rubber
Housing ; Aluminium die-casting (Silver hammerton coating.)
 - 9.2 Mounting : G 3/4 (Screw thread)
 - 9.3 Cable Inlet : JIS F 20a (G 3/4)
 - 9.4 Mass : Approx. 1.1 kg

W A R R A N T Y

NOHKEN INC. products are warranted for a period of 1(one) year from date of original factory shipment, provided that handling, operation and maintenance of products shall be subjected to " NOHKEN's INSTRUCTION MANUAL ".