

DATE (YYYY-MM-DD)	APP. BY	CH. BY	PREP. BY
2007-06-25	T. G.	<i>[Signature]</i>	K. A.

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

1. NAME : VIBRATING LEVEL SENSOR
2. MODEL : V P 1 1 N
3. MEASURING OBJECT : Powder, Granular materials
(Varies with granular, but $\phi 5$ mm or less can be detected.)
4. OPERATION CHARACTERISTICS
 - (1) Sensitivity : Apparent specific gravity 0.2 Min.
 - (2) Operation indicator : LED lighting
Non detection : Green
Detection : Red
Delayed recovery: Orange
 - (3) Delay time : Approx. 3 sec.
5. ELECTRICAL CHARACTERISTICS
 - (1) Power supply : 24 V DC (18 to 30 V DC)
 - (2) Current consumption : 20 mA DC Max. (24 V DC)
 - (3) Alarm output : NPN Open collector
(100 mA DC Max. Residual voltage ; 1 V Max.)
6. MECHANICAL CHARACTERISTICS
 - (1) Withstand pressure : 500 kPa Max.
 - (2) Vibration proof : 10 to 55 Hz ± 0.75 mm (amplitude)
7. ENVIRONMENT
 - (1) Working temperature : -10 to +60 $^{\circ}$ C
 - (2) Working humidity : 5 to 95 % RH
8. CONSTRUCTIONS : Drip-proof construction (Equivalent IP55)
9. PHYSICAL
 - (1) Materials
 - (a) Vibration diaphragm : 316 stainless steel
 - (b) Body : 304 stainless steel
 - (c) Cap : PC
 - (d) Output cable : PVC
 - (2) Mounting : G 3/4 (Screw thread)
 - (3) Output cable : $\phi 3 \times 2000$ mm (3×0.2 mm²)
 - (4) Mass : Approx. 220 g

W A R R A N T Y

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

