

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

1. NAME : MAGNETIC FLOAT SENSOR
2. MODEL : FR 5 1 0 HV (Type designation : FR 5 1 0)
3. MEASURING OBJECT : Clean Liquid
4. OPERATION CHARACTERISTICS
  - 4.1 Relation between Float and Liquid Surface : Float length is 80mm.  
31mm upper on and 49mm is under the level.  
(1.0 specific gravity of the liquid)
  - 4.2 Specific Gravity : Min. 0.7
  - 4.3 Hysteresis of Switch :  $3\pm 2$  mm
  - 4.4 Clearance between Float and stem : 3 mm
  - 4.5 Life Expectancy : Min.  $1\times 10^6$
5. ELECTRICAL CHARACTERISTICS
  - 5.1 Contact Rating (With Resistive Load)
    - 5.1.1 Max. Contact Capacity : 110 VA      33 W
    - 5.1.2 Max. Working Current : 0.5 A AC      0.3 A DC
    - 5.1.3 Max. Working Voltage : 220 V AC      110 V DC
6. MECHANICAL CHARACTERISTICS
  - 6.1 Withstand Pressure : 200 kPa Max.
  - 6.2 Allowable Impact :  $100 \text{ m/s}^2$
7. ENVIRONMENT
  - 7.1 Ambient Temperature : 60 °C
  - 7.2 Liquid Temperature : -10 to 80 °C
8. CONSTRUCTION : IP65
9. EXPLOSION-PROOF : d2G4
10. PHYSICAL
  - 10.1 Material
    - 10.1.1 Terminal Box : Aluminium diecasting (ADC12)
    - 10.1.2 Wetted Part : Chlorinated polyvinylchloride
  - 10.2 Dimension
    - 10.2.1 Flange : Equivalent JIS 5K 80A
    - 10.2.2 Float :  $\phi 74 \times H80$
  - 10.3 Cable Inlet : G 3/4 Flameproof threaded-joint metal conduit type

## 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".