

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

1. NAME : HYDROSTATIC TYPE LEVEL SENSOR

2. MODEL : PL820

3. MEASURING OBJECT : Water, Non-corrosive liquid

4. OPERATION CHARACTERISTICS

4.1 Accuracy : ± 0.5 %F.S
(Includes hysteresis and repeatability)

4.2 Measuring range : 0 to 10 m

4.3 Temperature characteristics : ± 0.03 %F.S./ $^{\circ}\text{C}$

5. ELECTRICAL CHARACTERISTICS

5.1 Power supply : 14 to 30 V DC

5.2 Output signal : 4 to 20 mA DC two-wire system
(Above-mentioned measuring range)

5.3 Load Resistance : See fig 1

6. MECHANICAL CHARACTERISTICS

6.1 Withstand pressure : Four times of measuring range

6.2 Tensile strength of cable : 700 N

7. WORKING TEMPERATURE : 0 to 50 $^{\circ}\text{C}$

8. LIGHTNING PROTECTION : 12 kV(1.2/50 μs)

9. CONSTRUCTION : Wetted part equivalent IP68 (International Protection)

10. PHYSICAL

10.1 Material

10.1.1 Housing : 304 Stainless steel

10.1.2 Diaphragm : Hastelloy C-22

10.1.3 Cable sheath : Polyethylene (Built-in vent tube)

10.2 Dimension

10.2.1 Housing : $\phi 30 \times 220$

10.2.2 Cable : $2 \times 0.5 \text{ mm}^2$ (Outside diameter $\phi 12$ Max.)

10.3 Mass

10.3.1 Housing : Approx. 700 g

10.3.2 Cable : Approx. 125 g/m

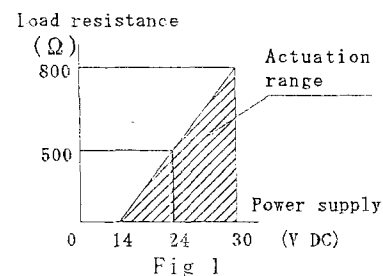


Fig 1

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 ".