HR8066/67 High Precision Static Force Level

1. Overview

HR8066/67 high-precision static force level is applied for high requirement of vertical displacement or settlement monitoring, and can accurately detect liquid level changes of 0.01mm. The instrument consists of a series of container with liquid level sensors, which are connected together by a fluid-filled connecting tube. The reference container is located at a stable reference point, and elevation changes between any one of the containers and the reference container will cause a change in the level within the corresponding container. The elevation change of the measuring point can be obtained by measuring the change of the liquid level.

With RS485 digital signal for easy data collection, with high measurement accuracy, no drift, high reliability and easy installation. The sealed enclosure has good moisture resistance and can work continuously for a long time in a 100% relative humidity environment.

HR8066

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2. Specification

①.Main performance specification

Range：1000mm

Accuracy：＜±0.5mm

Resolution：0.01mm

Year stability：＜±0.5mm

Overload capability：200％F•S

②.Temperature characteristics

Operating temp.：-20～85℃

Compensation temp.：-20-60℃

③.Electrical characteristics

Electric connection: Waterproof four-core plug-in

Output signal：HR8066-RS485

HR8067-4～20mA

④.Mechanical characteristics

Housing material：aluminium alloy

⑤.Environmental characteristics

Protection level：IP67

Installation method：the exhaust valve is fixed vertically upwards

3. Electrical connections

HR8066：

Red---V+

Yellow---V-

Blue---RS485-A

Green---RS485-B

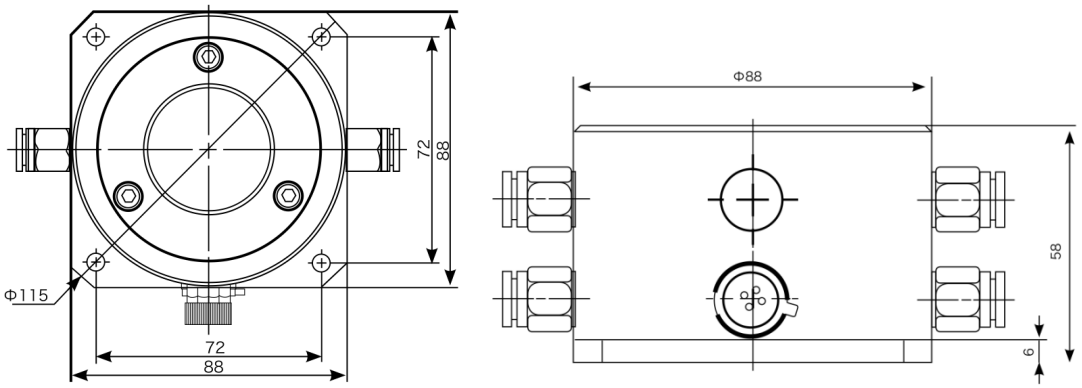
HR8067：

Red---DC24V+

Blue---4～20mA output（GND）

4.Outline construction

HR8066:



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