

HCYB-25 miniature penetrating pressure sensor

product description

Due to the requirement of measuring the flow field and position, when the pressure is measured in-situ and does not disturb the flow field state, the change of the pulsating flow field must be reproduced. This is usually due to the miniaturization of the external dimensions of the sensor. Strict requirements, HCYB-25 micro pore water pressure sensors and transmitters are carefully designed for the



above working conditions, the series of products for ceramic filters, stainless steel structure, with micro-mechanical strain gauges as the core components, high-precision integration, The use of international advanced miniaturization of production and packaging process, compact micro-package. The product is small in size, compact in structure, light in weight, durable, and has excellent dynamic and static characteristics. This series of products are particularly suitable for civil simulation and centrifuge simulation. If used, it is widely used in civil engineering, rock and soil mechanics, earthquake monitoring and so on.

Main Specifications

- 1, Range: -0.01Mpa - 30Mpa (pressure)
2. Scope of application: dynamic and static model test (in appropriate conditions, it can also be used for field test)
- 3, accuracy: 0.5% FS
- 4, the whole output ($\mu\epsilon$): 0 ~ 1500 (theory)
- 5, bridge resistance (Ω): 350 full bridge
6. Dimensions: $\phi 13 \times 12$, $\phi 18 \times 12$
- 7, waterproof performance: can work in saturated water medium
- 8, outlet mode: after the exit
- 9, the use of temperature range ($^{\circ}\text{C}$): -35 ~ +80
- 10, for the bridge voltage (V): 2V
- 11, the use of a strain amplifier sensitivity coefficient K: 2.00
- 12, Lead length (m): 4-core shielded cable, 3.3
- 13, overload capacity (%): 120% within the rated range
- 14, the output line bridge logo: red (Eg +), white (Vi +), green (Eg-), black (Vi-)
- 15, instrument settings: Bridge sensor

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