

# HCYB-16 Miniature Soil Stress Sensor

## product description

Earth pressure measurement is an important method for soil mechanics research and civil engineering research. HCYB-16 soil stress sensor uses stainless steel structure, micro mechanical strain gauges as the core components, the use of international advanced miniaturization of production and packaging technology, exquisite and delicate. The package is small in size, compact in structure, light in weight, durable, and has excellent dynamic and static characteristics. This series of products is particularly suitable for civil simulation, centrifuge simulation, etc., widely used in rock and soil mechanics, soil mechanics, civil engineering engineering. And blasting tests.



## Main Specifications

- 1, range: 0.01Mpa-30Mpa (pressure)
- 2, the scope of application: dynamic and static model test can also be used for field tests.
- 3, accuracy: 0.5%FS
- 4, the whole output ( $\mu\varepsilon$ ): 0 ~ 1500 (theory)
- 5, bridge resistance ( $\Omega$ ): 350 full bridge
6. Dimensions (mm):  $\varnothing 15$ ,  $\varnothing 11$
- 7, waterproof performance: can work in saturated water medium
- 8, outlet mode: side out, after the exit
- 9, the use of temperature range ( $^{\circ}\text{C}$ ):  $-35 \sim +80$
- 10, for the bridge voltage (V): 2
- 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, output line and bridge logo: Eg + (red), Vi + (yellow), Eg-(blue), Vi- (black)
- 15, instrument settings: Bridge sensor

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