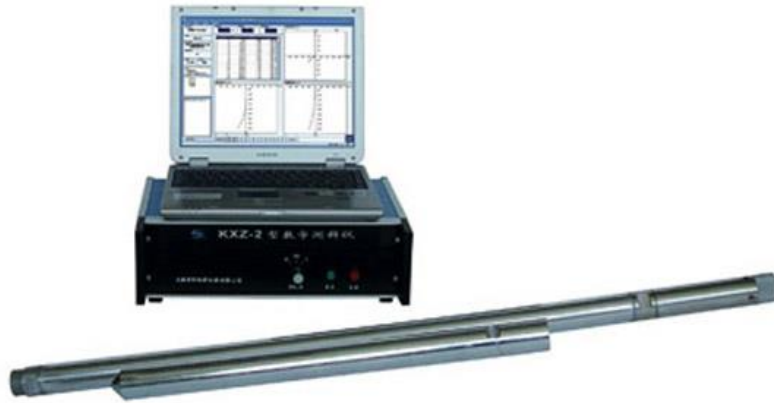


# KXZ-2 Horizontal Digital Inclinometer



## Summary

The instrument is a new device designed to measure the tilt angle and direction of the horizontal drilling and developed. The instrument uses a novel high-precision sensors and computer technology, its performance is much better than the general level inclinometer instrument, can be widely used in geological engineering mining, water conservancy, railways, construction and other sectors, construction, testing non-magnetic rocks the horizontal hole measurements.

The instrument consists of a laptop (not included), the ground control unit, inclinometer probe consists of three parts; the use of data encoding long-term transmission technology, cable transmission data is accurate and reliable; high-performance sensor combined with digital signal processing technology, high-precision measurements, good stability; upload the data directly from the RS-232 serial port to a notebook computer, clear display and intuitive measurement data and plan, section, side projection and store measurement data; connect the color inkjet printer can print A4 pages inclinometer data, plan, section, side projection and space trajectories.

## I. Technical Specifications

1. Inclinometer depth:  $\leq 1200$  meters.
2. Parameter range error  
Angle measuring range:  $-60 \sim 60^\circ$ , the error is  $\pm 0.1^\circ$ ;  
Azimuth measuring range:  $0 \sim 360^\circ$ , the error is  $\pm 1.5^\circ$ ;  
Tools for angle measurement range:  $0 \sim 360^\circ$ , the error is  $\pm 2.0^\circ$  (alternative parameters);
3. Measurement: measuring point, the measuring point, and the measured depth interval points arbitrarily determined;
4. Power Supply: AC 220V  $\pm 10\%$ , 50Hz;
5. Ground control unit working environment: Temperature:  $-10^\circ\text{C} \sim 50^\circ\text{C}$ ;  
Relative humidity:  $\leq 85\%$ ;
6. Inclinometer Probe Working Environment: Temperature:  $0^\circ\text{C} \sim 55^\circ\text{C}$ ;  
Pressure:  $\leq 15\text{MPa}$ ;
7. Ground control unit Dimensions:  $385 \times 300 \times 240$  (mm);  
Weight: 8 (kg);
8. Inclinometer probe  
Dimensions:  $\Phi 40 \times 1600$  (mm);  
Weight: 7 (kg);
9. Recording: Real-time recording date, time, print the results.