

# KXP-2E1 Remote Digital Inclinometer



## Summary

The instrument is specifically designed to meet the non-magnetic area of engineering, exploration, directional drilling, construction survey and directional control and design of the new device, the wireless Bluetooth remote control works. The instrument can be widely used in engineering, hydrology, oil field, coal field, geology, mining, water conservancy, railway, construction and other departments of geological engineering, construction, and detection, etc.

## I. Main technical features

1. The instrument is made up of Android tablet computer or Android mobile phone (Above referred to as tablet PC), inclinometer probe, chargers and other components, designed to be portable; complete equipment using digital measurement technology, combined with high-performance sensors and signal processing technology, high-precision measurement results and good stability.
2. Tablet PC via Bluetooth signal control measurement, all the data stored in the measuring probe, the data is transmitted to the tablet computer processing, available throughout the drilling depth, angle and azimuth measurements and a variety of graphs. You can copy data to a computer for software processing, and print the measurement results through the printer
3. The software data processing method is scientific and can directly display measurement data, plane, profile, side projection and space trajectories and automatically save the measurement data; the entire instrument is simple and reliable, suitable for use in field operations.

## II. Main technical specifications

1. Inclinometer depth:  $\leq 1500$  m
2. Parameter range and accuracy
  - Angle measuring range:  $0 \sim 50^\circ$ , error:  $\pm 0.1^\circ$
  - Azimuth measuring range:  $0 \sim 360^\circ$ , error:  $\leq 5.0^\circ$  (when the angle at  $1 \sim 3^\circ$ )  
 $\leq 3.0^\circ$  (when angle  $3 \sim 50^\circ$ )
3. Inclinometer probe tube diameter:  $\Phi 40 \text{ mm} \times 1270 \text{ mm}$
4. Weight: 15KG
5. The use of environmental temperature
  - Inclinometer probe:  $0^\circ \text{C} \sim 75^\circ \text{C}$
  - Hand-held controller:  $-5^\circ \text{C} \sim 50^\circ \text{C}$
6. Pressure:  $\geq 20 \text{ MPa}$
7. Power: Built-in lithium battery.
8. Measuring mode: without the need to set in advance, inclinometer probe can measure when it received.
9. Data transmission mode: Bluetooth 2.0 transmission, remote control distance  $> 5$  m, smart switches, no need to open the probe tube can work properly.
10. Continuous working time measurement probe  $> 24$  hours
11. Tablet PC: Android system, Tablet (optional or users according to the requirements of the instrument to bring their own)