

KXP-2E Remote Digital Inclinometer



I. Uses and Features

The instrument increases the function of remote control, without timing, measuring at any time, the large capacity storage and other functions on the basis of the KXP-2D digital inclinometer.

The instrument is designed to meet the non-magnetic area of engineering drilling, exploration drilling, directional drilling, etc. inclinometer and directional control during the construction and design of the measuring point digital compass inclinometer, measurable drilling angle, azimuth. The instrument can be widely used in engineering, hydrology, oil, coal, geology and other fields.

The instrument consists of a probe tube and a handheld controller. designed to be portable; inclinometer probe integrated sensors, power supply, data acquisition, storage, computing, transfer function, hand-held controller includes setting, measurement, transmission, storage, data processing function as one, to fixed-point measurement hole vertex angle, azimuth angle, instrument, simple operation, suitable for use in field operations.

II. Main performance index

1. Inclinometer depth: ≤ 1500 m
2. Parameter range and accuracy: Angle measuring range: $0 \sim 50^\circ$
Angle measurement error: $\leq 0.1^\circ$
Azimuth measuring range: $0 \sim 360^\circ$
 $\leq 5.0^\circ$ (when the angle at $1 \sim 3^\circ$)
 $\leq 3.0^\circ$ (when angle $3 \sim 50^\circ$)
3. Inclinometer probe tube diameter: $\Phi 40$ mm \times 1270mm
4. Hand-held controller Dimensions: 78 mm \times 155 mm \times 38mm
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: ≥ 20 MPa
7. Power: underground instruments and handheld controller are a built-in lithium battery.
8. Measurement: without the need to set in advance, the downhole instrument can measure in place; can store about 250 sets of data or 1200 points of measurement data.
9. Data transmission: wireless transmission, remote control within a distance of 5 meters, smart switches, without opening the probe to work properly.