

NMT - U930 Cross hole Sonic Logging Analyzer



PILE

IWIN-U930 Non-metallic ultrasonic detector, the integrity of foundation piles and diaphragm walls can be rapidly and continuously detected by ultrasonic transmission method. Compressive strength, crack depth, crack width and defect detection of structural concrete; it integrates five functions of pile testing, ultrasonic rebound comprehensive method for strength measurement, defect measurement, crack sounding and width measurement. Geological exploration, rock integrity, weathering evaluation and testing; single-hole one-shot dual-collection logging; mechanical properties testing of non-metallic materials such as rock mass, concrete and so on.



Product features

Newly upgraded wireless cloud transmission function;

- New upgraded wireless cloud transfer function;
- It integrates five functions of pile, strength measurement, defect measurement, sounding and width measurement.
- Stable performance and high cost performance are the best choice for users with diverse needs such as teaching and research;
- Semi-transparent, high-brightness, TFT color LCD screen;
- Full touch screen operation, simple and convenient, stable and reliable;
- Large memory capacity, working time can reach more than 10 hours;
- It can double-receive, automatically collect and automatically record the height and sound waveform to improve work efficiency;
- The original measuring point waveform can be played back, covered and deleted at will;
- It can be connected with digital rebound hammer probe for ultrasonic rebound comprehensive method;
- U disk dump data, support software upgrade through U disk;
- Dedicated analysis software is powerful, data analysis and processing, report generation, and printing reports are easily completed;

Product Model	IWIN-U930
Master control unit	Built-in A8 industrial control motherboard
Display	10.1 inch, high brightness, TFT color LCD capacitive screen
Operational mode	Touch screen
Storage mode	Built-in Electronic Hard Disk (> 8GB) +Large Capacity U Disk
Data transmission mode	Wireless Cloud Transport (Options)
Acquisition mode	Single-channel manual point-by-point acquisition
Number of disposable profiles	Two
Channel Number	1 transmit + 1 receive
Trigger mode	Signal triggering
Sampling period (mus)	0.05-409.6 Multistage Options
Acoustic Time Accuracy (Us)	Zero Point Zero Five
Acoustic time range (mus)	1677700
Width measurement function	Measuring range: 0 ~ 10mm;
Acoustic time range (mus)	Measurement accuracy: 0.01 mm;
Dynamic range (dB)	One hundred and forty-six
Bandwidth (kHz)	1~500
Receiving Sensitivity (UV)	Less than 10
Gain Accuracy (dB)	Zero point five
Emission Voltage (V)	Sixty-five, 250, 500 and 1000 gears adjustable
Communication interface	USB, Bluetooth, Wifi
Working hours (h)	More than 8
Power supply mode	Built-in lithium battery
Power supply mode	External 220V~16V AC/DC
Work environment	Temperature (?) - 10 (?) ~ + 40 (?)
Host Size (mm)	Humidity (RH) < 90%