



## CJ-10 Non Metal Ultrasonic Detector

- \*Testing of building foundation piles by cross-hole sonic logging ;
- \*Inspection of concrete defects by ultrasonic method, such as uncompacted ,cellular, hole area.
- \*Detecting defects of one hole by one trigger two receive.
- \*Testing dynam performance of geotechnical investigation、 rock、 concrete etc.
  
- \*High efficient testing. Lifting speed is more than 60m/s.( 20 cm distance )
- \*Display the test data graphically. User can watch analyze result directly
- \*Fast and precise Automatic judge the sound parameters. Real-time wave display to assure test efficiency;
- \*Humanized software design. Software design apply to User and construction plant. its help information ensure user handle easily ;
- \*Linking the rebound apparatus directly. Detecting strength of concrete by ultrasonic-rebound combine method with linking rebound apparatus directly, and get strength of concrete in time. The functions apply for national patent.
- \*Being sensitive to receiving signal. Can receive signal more than 10m in concrete without defects
- \*Can supply smooth power for radial energy transducer needless external power
- \*Extending function for testing thickness of concrete by impacting echo method.
- \*Professional and powerful analysis software on windows system. It can export the data to Excel or word for advanced analysis



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<b>interface</b>	USB
<b>Max Sample data length</b>	64k
<b>Receive Channel</b>	Two
<b>Trigger Mode</b>	Continuous Trigger, External Trigger
<b>Trigger Voltage ( V )</b>	65,125,250,500,1000 selectable
<b>receive sensitivity</b>	$\leq 30\mu\text{v}$
<b>Amplifier gain</b>	82dB
<b>Amplifier bandwidth</b>	5KHz ~ 500 kHz
<b>sound time accuracy</b>	0.05 $\mu\text{s}$
<b>Power</b>	Interior lithium battery , work more than 6 hours
<b>Temperature</b>	-10°C~+40°C

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