

LR-FS500 Crack Depth Detector



Automatic search for first wave

Precision response waveform

With survey area stamp

Touch screen button dual operation

LR-FS500 is an ultrasonic product produced by Langrui Detection Technology Co., Ltd. Its principle is to calculate the depth of concrete cracks by using the time for ultrasonic waves to bypass cracks in concrete. The instrument is designed for the depth of concrete cracks, making it more professional.



Technical parameters

Model	LR-FS500
Measurement range	≤500mm
Measurement accuracy	±5mm (crack depths ≤ 50mm) or ±10% (50 < crack depths ≤ 500mm)
Dimension	Host 200 * 136 * 50mm Transducer φ 43 * 74mm Signal line 2m
Total weight	Host 800g Transducer 290g * 2 Signal line 180g * 2
Detection Depth	≤500mm
Sampling period	0.05μs-4μs
Sound time resolving power	0.1μs
Amplitude resolving power	<0.5dB

Technical advantages

- High magnification acquisition, precise waveform response.
- Automatic search for the first wave, automatically adjust magnification.
- Touch screen, button dual operation mode.
- Equipped with online system software, the detection results are clear at a glance.
- Equipped with a survey area seal, quickly locate the location of the survey points on the operation site.



Transducer



Cross seam/non cross seam positioning seal