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INSTRUMENTOS DE MEDICIÓN INDUSTRIAL

Localizador de varillas/Pachometro JL-LRG200

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LR-G200 Touch screen integrated steel bar detector

Standards:

GB 50010-2010 "Concrete Structure Design Specification"

GB 50204-2015 "Acceptance Standard for Construction Quality of Concrete Structure Engineering"

GB/T50344 -2004 Technical Standards for Building Structure Testing

JGJ/T152 -2008 Technical Regulations for the Detection of Reinforced Steel in Concrete

DB11/T365 -2016 "Technical Regulations for the Detection of Reinforced Steel Layer Thickness and Reinforced Steel Frame by Electromagnetic Induction"

Brief introduction:

LR-G200 integrated steel bar detector uses a multi-coil layout, which is charged regularly by the current pulse, thus generating a magnetic field. When a conductive material enters a magnetic field, the surface of the conductive material produces vortex, which induces a reverse magnetic field. The instrument will use the resulting voltage changes to measure. It is mainly used to detect the position of steel bar, the distribution and direction of steel bar, the thickness of protective layer and the diameter of steel bar in concrete structure.

Characteristics:

Integrated design of host sensor, small size, more convenient and fast to use

The combined detection method of high power transmitter coil and multiple groups of small coils has higher accuracy and stronger resolution

Using high precision grating sensor to scan displacement and steel bar spacing is more accurate

It provides a variety of scanning modes suitable for different measurement environments, in which the routine scanning mode can realize repeated test in the fixed point and meet the requirements of the detection rules.

It supports size range detection, so the scanning distance is longer (up to 65m) and the data detection is more flexible.

It supports multi-gear hoop correction, so detection results are more accurate

It supports USB wired data transmission and bluetooth wireless data transmission, making the data upload easier.

3.2" 65k color liquid crystal display is used, with higher resolution and better display effect. At the same time, it is equipped with capacitance touch screen, and the human-computer interaction is more convenient.

Technical parameters:

| Technical parameters | | | | | |
|--|--------------|------------------------------|------------------------|-------------------|-------------|
| Protective layer thickness Applicable range (mm) | | $\phi 6-\phi 50$ | Host parameter | Host Size | 235*120*130 |
| Maximum measuring range (mm) | First range | 2-100 | | Weight | 1.0kg |
| | Second range | 2-200 | | Screen size | 3.2 inch |
| Maximum allowable error of protective layer thickness | ± 1 (mm) | 2-90 | | Screen lattice | 320×240 |
| | ± 2 (mm) | 91-120 | Data transmission mode | Bluetooth or USB | |
| | ± 3 (mm) | 121-150 | Power supply mode | Lithium battery | |
| | ± 4 (mm) | 151-200 | Laser positioning | Third-wire | |
| Diameter estimation range (mm) | | $\phi 6-\phi 50$ | Data correction | Yes | |
| Diameter estimation Maximum error | | ± 1 specifica tion | Touch screen operation | Yes | |
| Diameter estimation Display accuracy (mm) | | 0.1 | Scanning area | Borderless | |
| JGJ scanning | | Yes | Grid scanning | Yes | |
| Fine scanning | | Yes | Image scanning | Yes | |
| Profile scanning | | Yes | 3D Imaging | Yes | |

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