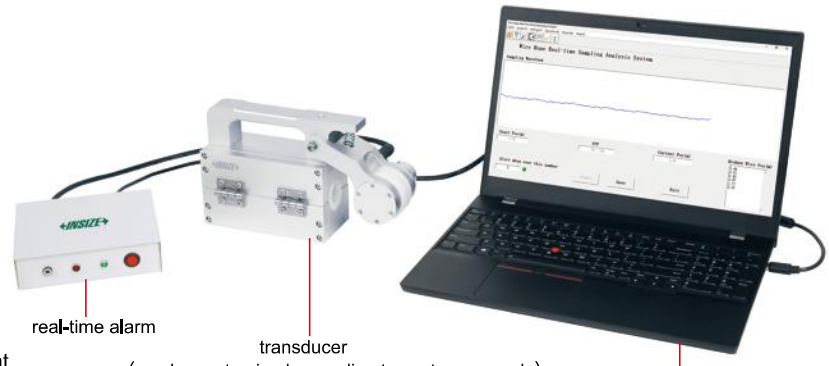
# WIRE ROPE FLAW DETECTOR
# CODE EST-L210

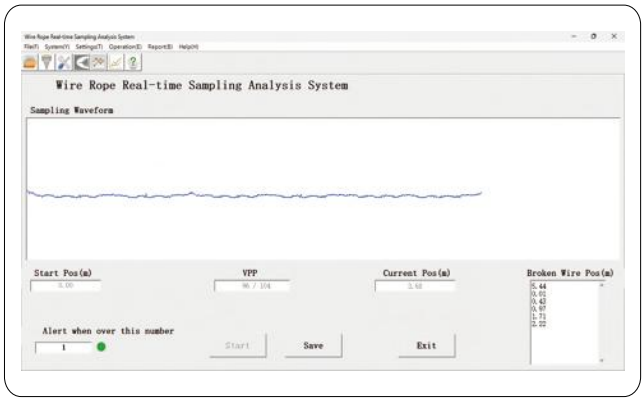
**CAN BE CUSTOMIZED ACCORDING TO CUSTOMER NEEDS**

- On-line detection of wire rope internal and external wire breakage, abrasion, corrosion, deformation, loose strands, jumping wire, material changes and other defects
- The test results report can meet the standards of different industries at the same time with the number of broken wires and broken wires broken area and the ratio of the total area of broken wires in the form of display
- The use of computer USB interface direct sampling processing analysis, with online sound and light alarms and real-time display of the results of the function
- The sensor's circular structure, circumferential encirclement, and axial magnetization instantly magnetize the wire rope to saturation
- Stable work, reliable performance, high detection precision, strong anti-interference performance, accurate data
- Suitable for use in mines, ropeways, lifting equipment, elevators, port machinery, cable-stayed bridges, etc




application examples

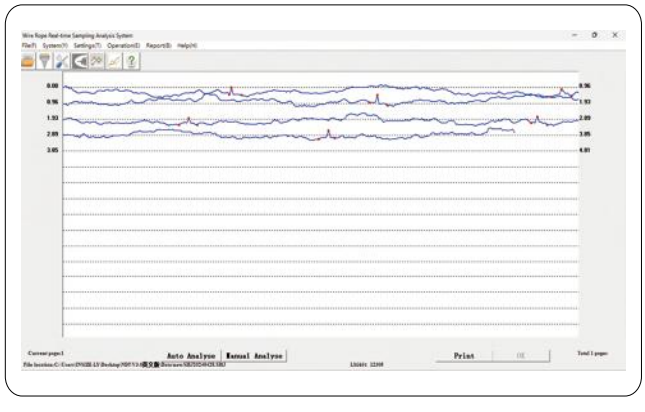




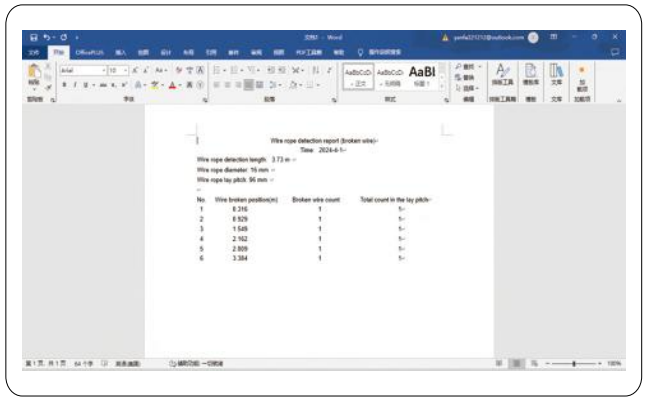

real-time detection alarm



parameter setting




sampling analysis



test report

## SPECIFICATION

| | |
|---|---|
| **Detection range** | Ø1.5~300mm (can be customized according to customer needs) |
| **Detection efficiency** | 0.0~6.0m/s (relative speed between sensor and wire rope) |
| **Optimal detection efficiency** | 0.3~1.0m/s |
| **Allowable interval** | 0~15mm (allowable interval between guide sleeve and wire rope) |
| **Optimal interval** | 2~6mm |
| **Qualitative accuracy of wire breakage** | 99.99% |
| **Tolerance on the number of broken wires** | allow one root or one equivalent of algorithmic differences |
| **Sensitivity error** | ±0.055% |
| **Accuracy error** | ±0.2% |
| **Length error** | ±0.2% |
| **Power supply** | power adapter |
| **Operation condition** | temperature: -20~50°C<br>humidity: ≤85%<br>pressure: 86kPa~106kPa |
| **Weight** | <10kg |

## STANDARD DELIVERY

| | |
|---|---|
| **Main unit (transducer)** | 1pc |
| **Real-time alarm** | 1pc |
| **9355 signal connection line** | 1pc |
| **USB transfer cable** | 1pc |
| **Flexible traction safety rope** | 1pc |
| **Software USB flash disk** | 1pc |