



EDDY CURRENT SYSTEM SOLUTIONS

InSite | HT

EDDY CURRENT TEST INSTRUMENT

FIND MATERIAL STRUCTURE DEFECTS INCLUDING IMPROPER HEAT TREATMENT, CASE DEPTH AND MATERIAL MIX



Benefit of the InSite HT:

- Reduces scrap and warranty costs by finding issues during production
- Tests for proper heat treatment, case depth and material mix
- Fast sampling capability (milliseconds) allows the InSite to keep up with production speeds
- Tests multiple locations at once on complex geometries
- Simultaneous testing using eight frequencies helps sort parts with multiple rejectable conditions
- Easy to use set-up helps ensure detection of material anomalies
- Operator uses known good parts to create testing tolerance zones
- Industrial I/O simplifies material handling integration
- Data recording capabilities
- Clean non-destructive test method

InSite HT Models:

- **InSite HT-8:** Supports up to 8 eddy current coil pairs
- **InSite HT-4:** Supports up to 4 eddy current coil pairs
- **InSite HT-2:** Supports up to 2 eddy current coil pairs

Multi-frequency Zetec InSite HT lets you verify material structure at production line speeds

The InSite HT eddy current material structure tester helps you find improper heat treatment conditions such as shallow case depth, short heat, misplaced case, delayed quench, short quench, air cooled or no heat treatment. The InSite HT can be used to test for proper heat treatment on simple parts such as ball bearings and fasteners as well as on complex components such as gears, wheel bearings and axles. The automated eight-frequency, multi-channel test set-up allows you to simultaneously inspect for multiple anomalies at different locations on a single component.

Free feasibility studies guarantee results

Criterion NDT provides free feasibility studies using your actual production parts. This ensures that we design the right test to meet your requirements before you commit to a purchase. For more information on the InSite HT or other products please visit our website at www.criterionndt.com or call us at 253-929-8800.

SPECIFICATIONS

| | |
|--------------------|---|
| Frequency Range | 5 Hz to 10 MHz |
| Test Frequencies | 8 maximum |
| Test Channels | Up to 8 coil pairs |
| Sample Rate | 10K samples/second max |
| Probe Drive | 0.1 to 20 Volts |
| Dimensions | 8" h x 11.5" w x 13.5" d (20 cm x 29 cm x 34 cm) |
| Weight | 16 lbs. (7 Kg) |
| Display Type | 8.4 inch color screen |
| Industrial I/O | 4 independent lines |
| Universal AC Power | Yes |
| Adjustable Alarms | Ellipse |
| USB Ports | 2 |
| Ethernet Ports | 1 |

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