

ULTRASONIC DOUBLE RAIL TESTER WITH B-SCAN

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(EECI MAKE MODEL - DR18)



General features of equipment

- Capable to scan both rails simultaneously for rail head transverse defects including gauge face and non gauge face corner defects, bolt hole in web portion and horizontal defects in rail head, web and foot-junction
- Multi-channel, Multi coloured time base, Split screen with large TFT display
- Screen displays A-scan pulse echo and B-scan simultaneously during single run of rail testing
- Capable to record A-scan defects envelope in real time along with data setup and continuous B-Scan recording
- Facility of location stamping Km/m/mm with built in digital encoder and GPS (latitude and longitude) recording real time recording duly synchronized with satellite clock
- Facility for offline recreation of A-Scan defect echo envelope display from recorded B-Scan
- Facility to download recorded data from SRT to USB based Pen-Drive
- Facility for recalling and viewing calibration setups, stored A-Scan defect echo envelope and B-scan recorded data

- Facility to record 400 nos real time A-Scan defect echo envelope and to record continuous B-Scan of 50 Track Km rail length corresponding to A-Scan echo
- Facilitates storing of 10 calibration set ups
- High accuracy of detection of rail defects
- Equipment is user friendly, light weight, handy and robust

Features of Trolley

- Unique design of probe assembly gadget to consistently locate probe with reference to rail profile, independent of trolley lateral movement or worn out rails, to give repeatable & correct signal amplitude under long use rough site condition & during passage over curved sections or tunnel sections
- Trolley is provided with a pair of wear resistant insulated replaceable wheel to accommodate 60 Kg (UIC 60/60E1), 52 Kg and 90 R rail section profiles
- Free and smooth movement with minimal fatigue to operator
- Trolley is user friendly, lightweight and easy for transportations
- Battery box, tool box, space for paint bottle with brush and odometer which is protected against physical damage

Features of Probes

- Individual probes set for Left & Right rails each consisting of 70° F & B, 37° F & B, 70° gauge & non gauge face F & B, 0°
- High sensitivity & Stainless steel heavy duty body for wear resistance
- Compact design of probes provides small foot print on rail head
- Probes are spring loaded to easily adjust for curve/free rail/tongue X-ing sections