

ULTRASONIC FLAW DETECTOR

DIO 1000 SFE – ‘A’ & ‘B’ SCAN



Large bright color LCD screen 1024 x 768 pixels, excellent visibility on the direct sunlight. Optimum performance and extended connectivity. Lightweight 1,28 kg / 3,04 lbs and just 34 mm thin. The DIO 1000 combines the powerful advantages of digital design with the detailed dynamic echo information to bring back the “analog look and performance”, using sampling rate of 200 MHz. Direct access to 12 functions. Burst pulser selectable and tunable for optimum probe matching to satisfy a wide range of tough-to-penetrate applications.

EMAT for non-contact testing. Trigonometric flaw location function with curvature correction auto-matically calculates depth, surface distance and sound path to flaw along with the leg of the inspection when using angle beam probes. All TOF measurements can be displayed in mm, inches or μm . Standard DAC, JIS-DAC, AVG, API, Automatic Thicknessmeter, Auto Gain, Auto Freeze. Weld rating calculation simplifies the rating of indications in welds according to AWS Specification D1.1. B-scan imaging - thickness mode or RGB palette.

DIO 1000 PA – PHASED ARRAY



- Most Advanced & Revolutionary Innovative Technologies with fast microprocessor
- Thinnest PAD and lightest unit in the world 1.3 kg inclusive of battery with shock/splash proof casing
- Display: Color TFT LCD sunlight ,1024 (W)x 768 (H) pixels
- Phased Array flaw detection with high resolution SXGA Display with brightness adjt & excellent visibility
- Automated Calibration and user friendly.
- Automatic probe detection
- 16 active elements and support up to 256 elements
- Gain Control is 0-110 dB, selectable steps for Conventional and 0-60 dB for Phased Array.
- Zoom Facility
- Test Range is from 1mm to 28 359mm at steel velocity
- The instrument angle of sweep is adjustable.
- Capable of multiple angle inspection with single, small, electronically controlled multiple element probe.
- The unit has provision for making DAC on the screen with min 2 reference echoes. Unlimited point entry.