

EQUIPO MITECH MFD800C CONVENCIONAL



FUNCTIONS

- Semiautomatic two point calibration: Automated calibration of transducer zero offset and/or material velocity
- Flaw locating: Live display sound-path, projection (surface distance), depth, amplitude
- Flaw sizing: Automatic flaw sizing using AVG or DAC, speeds reporting of defect acceptance or rejection
- Digital readout and Trig. Function: Thickness /Depth can be displayed in digital readout when using a normal probe and Peam path, surface distance and depth are directly displayed when angle probe is in use
- Both the DAC and the AVG method of amplitude evaluation are available
- AWS D1.1
- Curved surface correction feature
- Crack height measure function
- Weld figure function
- Magnify gate: spreading of the gate range over the entire screen width
- Video recording and play
- Auto-gain function
- Envelope: Simultaneous display of live A-scan at 60 Hz update rate and envelope of A-scan display
- Peak hold: Compare frozen peak waveforms to live A-scans to easily interpret test results
- A scan freeze: Display freeze holds waveform and sound path data
- B Scan display feature
- Video recorder to 10 hrs

SPECIFICATIONS

- Hi-resolution (640x480 pixels) multicolor TFT LCD with 4 user-selectable brightness control
- Range: 0 to 9999 mm, at steel velocity.
- Material velocity: 1000 to 999 m/s
- Display delay: -20 to 3400 μ s
- Probe delay/ zero offset: 0 to 99.99 μ s
- Sensitivity: 110 dB max in selectable resolution 0.1 dB, 1.0 dB, 2.0 dB, 6.0 dB and locked
- Test modes: Pulse echo, dual element and thru transmission
- Pulser: Tunable square wave pulser
- Pulse repetition frequency ranges from 10 Hz to 1000 Hz
- Pulse energy: 200V, 300V, 400V, 500V, 600V, selectable
- Bandwidth (amplifier bandpass): 0.5 to 15 MHz
- Gate monitors: Two independent gates controllable over entire sweep range
- Rectification: Positive halfwave, negative halfwave, fullwave, RF
- System linearity: Horizontal, +/-0.2% FSW; vertical, 0.25% FSH, amplifier accuracy +/-1 dB
- Reject (suppression): 0 to 80% full screen height
- Units: Inch or millimeter
- Transducer connections: BNC or lemo
- Power requirements: AC mains 100-240 VAC, 50-60 Hz
- Operating temperature: -10°C to 50°C
- Storage temperature: -30°C to 50°C
- Memory of 100 channel files to store calibration set-ups
- Memory of 1000 wave files to store A-scan patterns and instrument settings