

MFE MARK III – TANK FLOOR SCANNERS



THE MARK III SERIES OFFERS IMPROVED INSPECTION RESULTS THROUGH COATED FLOORS AND THICKER PLATES, FULLY ADJUSTABLE LIMITS FOR ENHANCED THRESHOLDING TECHNIQUES, AND THE ABILITY TO PRODUCE COLOR-CODED MAPS OF CARBON STEEL LOSS ACROSS TANK FLOORS.

THREE DIFFERENT MODELS:

- MANUAL OPERATION
- STOP-ON-DEFECT
- COLOR MAP

UPGRADE OPTIONS:

- MANUAL OPERATION SYSTEM TO STOP-ON-DEFECT SYSTEM
- STOP-ON-DEFECT OPERATION TO THE COLORMAP SYSTEM

MFE MARK III – MANUALLY OPERATED TANK FLOOR SCANNER

The Manually Operated Mark III Tank Floor Scanner has an improved magnetic bridge that provides higher sensitivity for inspecting thru-coat storage tank floors and increased plate thickness.

- Rugged touch screen Panasonic Toughbook displays the digital volume loss signals in real time and allows the operator to adjust the gain and set the alarm quickly and easily.
- The manual scanner can be upgraded to a Stop-on-Defect unit with the addition of a few interchangeable components.



MFE MARK III – STOP-ON-DEFECT TANK FLOOR SCANNER

The Mark III Stop-On-Defect Tank Floor Scanner is an upgraded version of the Manual Operation unit that includes a motor to drive the tank floor scanner.

- New and improved fully adjustable threshold. Any signal that rises above the set threshold will not only stop the motor but will also freeze the signal(s) on screen so that the inspector can quickly identify the location of the defect in the tank floor.
- Can be upgraded to a ColorMap unit with the addition of our software to the Toughbook.



MFE MARK III – COLORMAP TANK FLOOR SCANNER

The Mark III ColorMap Tank Floor Scanner is our fully upgraded version of the Mark III which allows its user to create a color-coded map of carbon steel loss across tank floors.

- Software allows inspectors to create a detailed tank floor schematic, view real time c-scan images and overlay the actual floor scans on each plate. The end result is a color-coded map of the tank floor that indicates precise locations of carbon steel loss in the plates.
- Quickly identifies discontinuities in the storage tank floor for repairs.



SPECIFICATIONS:

	Mark III – Manual	Mark III – Stop-On-Defect	Mark III - ColorMap
Scan Width	12 Inches	12 Inches	12 Inches
Maximum Single Scan Length	None	None	None
Speed	Adjustable to 3ft / sec	Adjustable to 3ft / sec	Adjustable to 3ft / sec
Thickness Range	.75" / 20 mm	.75" / 20 mm	.75" / 20 mm
Data Storage	No	No	Yes
Test Through Coatings	Yes, if non-magnetic	Yes, if non-magnetic	Yes, if non-magnetic
Max Coating Thickness	Floor Plate and coating up to .75" / 20 mm	Floor Plate and coating up to .75" / 20 mm	Floor Plate and coating up to .75" / 20 mm
Real Time Analysis	Yes, 12 Channels	Yes, 12 Channels	Yes, 12 Channels
Power Requirements	12V Battery	12V Battery	12V Battery
Operation Weight	100 lbs.	130 lbs.	130 lbs.
Freeze Screen Alarm	Yes	Yes	Yes
Real Time Display for Auto Stop	No	Yes	Yes
Auto Stop	No	Yes, Optional	Yes, Optional
Adjustable Threshold	No	Yes	Yes
Sensitivity	Adjustable	Adjustable	Adjustable
Create Report	No	No	Yes
CAD Tank Drawing Software	No	No	Yes