

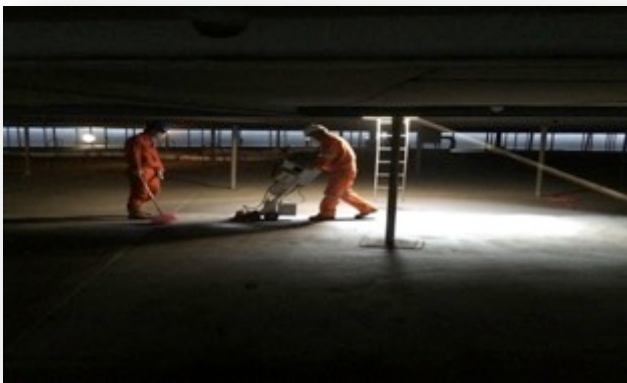
APC MFL Tank Floor Scanning Service

APC provides clients API 653 tank bottom inspections using certified technicians and advanced MFL inspection equipment.

Magnetic Flux Leakage (MFL) or also known as Magnetic Flux Exclusion (MFE) is a magnetic method of nondestructive testing used to detect product side and soil side corrosion in above ground storage tanks.

The basic principle is based on a powerful magnet introducing magnetic lines of force (flux) into the steel plates of a tank bottom. When areas of metal loss are detected the magnetic flux "leaks" known as flux leakage. Sensors are used to detect these flux leakages. Detected areas must then be further evaluated "proved up" utilizing Ultrasonic Thickness (UT) and/or Pit Gauging.

APC utilizes MFE Tank Floor Scanners (with the choice of MFE Mark II or Mark III Tank Floor Scanners).



MFE Mark II Tank Floor Scanners

Key Features

- MFE Electronics Module Compatible
- Displays Digital Volume Loss Signals in real time
- Adjustable Threshold
- Adjustable Display Brightness capable of viewing in sunlight
- Adjustable Gain for improving signal and reducing noise
- Scan speeds up to 3 feet per second
- Doubled Magnetic Material in Bridge
- Perform through coating inspections
- Perform inspections of thicker plate
- 12" Scan Width
- Battery powered for over 12 hours of continuous use



Specifications

Scan Width	12 Inches
Maximum Single Scan Length	None
Speed	3 feet per second
Thickness Range	up to 1/2"
Test through coatings	Yes, if non-magnetic
Max Coating Thickness	Floor Plate and coating up to 1/2"
Real Time Analysis	Yes, 12 Channels
Power Requirements	12V Battery
Operation Weight	100lbs
Sensitivity	Adjustable

