NDT, RVI, UAV, AND ENVIRONMENTAL
Rentals, Sales, Calibrations & Repairs
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Who is MFE Rentals?

At MFE Rentals we pride ourselves on Field Experience and Result Driven Solutions. MFE offers portable and easy to use (NDT) Non-Destructive Testing, (RVI) Remote Visual Inspection, (UAV) Unmanned Aerial Vehicle Inspection, and Environmental equipment Rentals, Sales, Calibrations, and Repairs.

When it comes to NDT equipment, we are the professionals. With over 25 years of experience working with and manufacturing NDT equipment, you can be sure you will get the right tool for the job!

From ultrasonic testing, passed array, flaw detection, (PMI) positive material identification, infrared cameras, hardness testers and magnetic flux leakage testing equipment, MFE has the right NDT equipment for the most challenging turnarounds, shutdowns and emergency outages.

A wide range of videoscopes, fiberscopes, rigid borescopes and pipe camera systems in various diameters, lengths, viewing options and resolutions are available, making our equipment suitable for even the most demanding of inspection requirements.

To aid in environmental policy compliance and safety, MFE Rentals offers a comprehensive selection of Ambient / Toxic Air Monitoring Equipment, Noise Monitoring Equipment and Flow Meters.
Our full range of portable ultrasonic flaw detectors provides unmatched capabilities for locating discontinuities and other flaws.

A wide range of software options are available for enhanced flaw detector inspection.

We offer a wide range of measurement features and application-specific options for flaw detection applications that include the location and sizing of hidden cracks, voids, disbands, and similar discontinuities in welds, forgings, turbines, and other structural components.

**Available Products**

- **Olympus** - OmniScan MX3 32:128 (COMING SUMMER 2019)
- **Olympus** - EPOCH XT
- **Olympus** - EPOCH XT w/B-Scan
- **Olympus** - EPOCH 600
- **Olympus** - EPOCH 650
- **Olympus** - B-Scan Buggy w/10’ encoder cable
- **Olympus** - B-Scan Buggy w/50’ encoder cable
- **Olympus** - OmniScan MX 16:128
- **Olympus** - OmniScan MX 32:128
- **Olympus** - OmniScan MX2 16:128
- **Olympus** - OmniScan MX2 32:128 - PR Modules Available
- **ZETEC** - TOPAZ 32:128
Ultrasonic Thickness Gages are designed to improve safety and ensure reliability of material subject to corrosion or erosion.

Corrosion gages with their dual-element transducers are the primary inspection tool used to measure the remaining of components such as oil & gas pipelines, pressure vessels, storage tanks, and numerous other applications.

Precision gages use single-element transducers to provide the thinnest range and highest degree of accuracy possible. Common applications include metals and a variety of non-metals (i.e. glass, ceramic, plastic, etc.).

**Available Products**
- **Olympus** - 45MG w/D790 Transducer
- **Olympus** - 38DL Plus w/D790 Transducer
- **Olympus** - 38DL Plus w/B-Scan & D790 Transducer
- **Dakota** - CMX-DL Plus w/Transducer
- **Cygnus** - Cygnus 1 Intrinsically Safe
- **GE** - DMS 2
- **Danatronics** - ECHO 9
The Calibration Block is a simple tool that ensures your NDT inspection equipment is operating correctly by providing multiple “steps” for thickness and linearity calibration.

**4-Step Block**
Thickess and linearity calibration. This 4-Step block comes in thicknesses of .250”, .500”, .750”, and 1.000”. Step face measures .750” x .750”. In accordance with ASTM E797. Two metric versions available.

**5-Step Block**
Thickess and linearity calibration. This 5-Step block comes in thicknesses of .100”, .200”, .300”, .400” and .500”. Step face measures .750” x .750”. In accordance with ASTM E797. Two metric versions available.

**Available Products**
- 4 Step Calibration Block (stainless steel and carbon steel)
- 5 Step Calibration Block (stainless steel and carbon steel)
The TriPod is a remote operated vehicle, used to translate instruments, cameras, or inspection devices along ferrous metal surfaces. Using three rare-earth magnets the crawler can climb vertical, horizontal, and inverted surfaces. The three wheeled computerized drive system allows the Tripod to rotate 360° on its own axis.

Utilizing a unique linkage the Tripod’s magnetic drive wheels automatically remain perpendicular to the pipe surface when driving in both the longitudinal and circumferential directions of a tank or pipe. With this linkage system the Tripod can navigate on convex surfaces from 24’ O.D. to concave surfaces of 72’ I.D. This enables the Tripod to be used for many different applications.

The Jireh Tripod Crawler rents with Transducer, water pump, umbilical and joystick controller.

Available Products
- **Jireh** - Tripod wall crawler w/D790 Transducer
- **Jireh** - Tripod wall crawler w/ D790 Transducer & EPOCH XT w/B-Scan
- **Scantech** - HPX Wall Crawler
- **Scantech** - HSR Wall Crawler
Advanced portable eddy current (EC) flaw detectors inspect metallic parts and perform highly reliable flaw detection of surface and near-surface defects.

Eddy current probes generate magnetic fields that induce current that flows in a test piece influencing the magnetic field, magnitude and phase of voltage in the coil. Applications include the detection of surface or near-surface defects, alloy sorting, and the inspection of bolt holes. It is a noncontact method used to inspect nonferromagnetic tubing.

This technique is suitable for detecting and sizing metal discontinuities such as corrosion, erosion, wear, pitting, baffle cuts, wall loss, and cracks in nonferrous materials.

Available Products
- **Olympus** - Nortec 500D w/probe weld kit
- **Olympus** - MultiScan MS5800 ER1U w/Laptop
- **Eddyfi** - Ectane 2 w/Laptop
- **Reddyfi** - 64 ch. w/Sharck straight pencil probe
NDT - Infrared Cameras

FLIR thermal imaging cameras are must have tools for NDT professionals, electricians and maintenance technicians. They give you the power to see problems in a way no other technology can, and allow you to inspect equipment quickly and take accurate temperature measurements from a safe distance. FLIR cameras help you find impending trouble before it hurts someone, shuts things down or wastes energy.

**Thermal Cameras for Electrical Systems & Mechanical Equipment** allow you to scan, visualize and analyze temperatures, maximize uptime and reduce potential safety hazards.

**Thermal Imaging for Building Diagnostics** help you quickly see and find the sources of energy efficiencies, destructive water damage, and structural issues.

**Optical Gas Imaging Cameras** scan broad and difficult to reach areas displaying leaks as plumes of vapor in the infrared image.

### Available Products

- FLIR - GF77
- FLIR - E30 160 x 120
- FLIR - E50 240 x 180
- FLIR - GF320

We offer the full line of FLIR thermal imaging cameras and EXTECH Instruments products for sale. Please contact us for current pricing.
MFE Rentals works with NDT professionals all over the world. Our extensive knowledge in the field has led to this collection of hardness testers from top brands like Proceq and GE.

Hardness Testing is a widely used method for determining hardness of materials using test methods such as Vickers, Brinell, Knoop, Rockwell, Shore and IRHD. Portable hardness testers come in a variety of types with the ability to test most metals, alloys and plastics ranging from soft polymers and rubbers to engineering alloys designed for use in the most arduous conditions or most severe operating environments.

The Equotip metal hardness testers use the dynamic Leeb rebound technique invented by Proceq. Hardness tests according to this Leeb method are particularly quick and easy to perform.

Available Products

- GE - MIC 10
- GE - MIC 20
- Proceq - Equotip 3
- Proceq - Equotip 550
- alphaDUR - Mini
- Brinell - Telebrineller
- King - Portable Brinell Scope
- SonoDur - 2
Magnetic flux leakage (MFL) is a magnetic method of nondestructive testing that is used to detect corrosion and pitting in steel structures, most commonly pipelines and storage tanks. The basic principle is that a powerful magnet is used to magnetize the steel. At areas where there is corrosion or missing metal, the magnetic field “leaks” from the steel. In an MFL tool, a magnetic detector is placed between the poles of the magnet to detect the leakage field. Analysts interpret the chart recording of the leakage field to identify damaged areas.

Rather than replacing plant assets, condition assessment using MFL and spot repair can often extend the life of a storage tank or pipeline. MFL inspection technology allows asset managers to proactively manage a tank or pipeline by repairing problematic locations. MFL Inspection reduces the risk of tank or pipeline failure.

The 65lb Mark IV Tank Floor scanner is available for sale and for rent. The Mark IV offers mapping and manual modes, hot-swappable batteries for uninterrupted scanning, analytical reporting, speed compensation software, a real-time display, fast tank creation, adjustable handle assembly, easy-transportability and more.

Available Products

- **MFE Enterprises** - Mark IV Tank Floor Scanner with Mapping
- **MFE Enterprises** - EdgeScan
- **MFE Enterprises** - 2412 Mark 2 Manual Tank Floor Scanner
- **MFE Enterprises** - 2412 Mark 2 Stop-On-Defect Tank Floor Scanner
- **MFE Enterprises** - Mark 3 Manual Tank Floor Scanner
- **MFE Enterprises** - Hand Scanner
- **MFE Enterprises** - Pipe Scanner
MFE Enterprises
1212 Mark 2

MFE Enterprises
Hand Scanner

MFE Enterprises
PipeScan
Positive Material Identification is a well established analytical materials testing and materials identification technique used throughout industrial plant as well as within the metal assembly and component manufacturing industries. It guarantees a material’s elemental composition as required for safety compliance and quality control.

Failures at petroleum, petrochemical and power generation facilities can have catastrophic consequences. Positive Material Identification (PMI) programmes allow plant operators and maintenance professionals to test critical process components before and after they are put in service, so they do not merely rely on the suppliers’ certificates.

Available Products

- Niton - Apollo
- Niton - XL3t 800
- Niton - XL2t 800
- Niton - XL3t 980 GOLDD+
- Niton - XL5
- Olympus - INNOV-X Delta Classic
- Olympus - INNOV-X Delta Premium
- Olympus - INNOV-X Delta Pro
- Oxford Instruments - ARC-MET8000
- Oxford Instruments - PMI-MASTER Smart
The LIZARD® M8 system provides a familiar and easy to understand interface packaged within a Windows environment. The same tool allows you to move into AC Field Measurement, LIZARD® EMA (Electromagnetic Array) or FGI (Field Gradient Imaging) modes for more complex inspections at no extra cost. Compliant with EN1711 inspection work and the only system on the market to fully comply with ASTM Standard E2261-07 within a single unit. With a LIZARD® Probe the operator has a choice of continuing in phase plane mode (For small / single array sensors) or switching to LIZARD® AC Field Measurement/EMA/FGI operation where our patented planar array probes can be utilized.

The user friendly and multi-functional LISS software for the LIZARD® system running in a Windows™ environment enables the user to rapidly analyze data from an inspection in real time or post operation.

Available Products
- Lizard - M8 w/Laptop
It is easy to measure the ferrite content accurately when using the Fischer FMP30. Upon probe placement on the surface of the specimen, the reading is displayed automatically and stored in the instrument. The probe can also be placed onto hard to reach areas. For such applications, the instrument features an “external start” function to trigger the measurements with the push of a button. This is ideal for measurements in pipes, bore holes or grooves.

Finding weld seams in polished surfaces is made easy through the “continuous display” instrument function. When scanning the surface with the probe with this function enabled, the continuous readings are displayed only. A change in the ferrite content reading indicates that the weld seam has been found.

Available Products
- Fischer - FMP 30 Feritscope
- Fischer - FMP 30 Deltascope
Holiday Detectors are compact and lightweight instruments for detecting pinholes and flaws in insulated coatings on conductive substrates.

Where coatings have to provide an effective safeguard against corrosion, it is essential that any pinholes or flaws that will eventually lead to corrosion are detected at the earliest possible stage, preferably immediately after the coating application. Operation is by the test voltage being applied to the coating by moving a brush electrode across the surface and where there is either a pinhole or flaw, the voltage will spark through the coating, a red indicator will flash and an audible alarm will sound. The detected flaw can be marked for subsequent repair, and testing resumed for the remaining surface area.

Available Products

- **PCWI** - DC30 High Voltage Holiday Tester w/6”, 8” 10” & 36” coils
- **Tinker & Rasor** - AP/W High Voltage Holiday Tester
Magnaflux Yoke Kits are designed for reliable, one person magnetic particle inspection of ferrous parts when portability is essential. Because the kits are portable and the yokes fit into tight places, they are ideal for in-plant structures and field work. Magnaflux offers a variety of options, so you can select exactly what you need – a yoke only, or a kit that also includes testing materials and accessories. Whether you choose a Y-6 AC yoke to locate surface cracks or a Y-7 AC/DC yoke to find surface and near-surface defects, you always get unsurpassed Magnaflux quality and reliability.

- Double-jointed legs contour easily to any part shape
- Pull force (60 lbs DC, 10 lbs AC) complies with specifications
- Solid state controls located in housing for maximum safety
- 2-minute ON/OFF duty cycles for fast, efficient inspections

Available Products

- Magnaflux - P-70 Portable Power Pack Unit
- Magnaflux - Y-1 Yoke
- Magnaflux - Y-6 Yoke
- Magnaflux - Y-7 Yoke

We offer a full line of Magnaflux products and consumables for sale. Please contact us for current pricing.
One significant feature that separates the ZB-100F from other black lights – it has a built-in, quiet operating DC fan located at the rear of the lamp housing. The advantage of this design feature is obvious – dramatically reduced running temperature. In practical terms, the fan-cooled ZB-100F means more comfort and safety for operators plus longer bulb life.

**Because black lights are often hand-held during fluorescent inspections, the heat they create is an important consideration.**

The typical running temperature of the ZB-100F is less than 85 degrees Fahrenheit, so it does not significantly raise the ambient temperature around the operator, nor is it a safety concern.

### Available Products

- **Magnaflux - ZB-100F**

We offer a full line of Magnaflux products and consumables for sale. Please contact us for current pricing.
The MALÅ GPR CX Concrete Imaging System allows you to perform ground penetrating radar scans of concrete structure simply and safely and present data clearly for real-time and in-the-box 3D data acquisition, display and analysis.

The MALÅ GPR CX System provides accurate inspection of concrete structure such as floors, walls, slabs, bridge deck for the detection of metallic and non metallic objects and features, i.e. rebar, post tension cables, metallic/ non-metallic conduits and pipes, voids, as well as the measurement of slab thickness.

Available Products
- MALÅ - CX-12 Concrete Imaging System
- MALÅ - GPR Easy Locator
Remote Visual Inspection (RVI)
Equipment Rentals, Sales & Repairs
Our remote visual inspection videoscopes systems are designed to meet the demands of the modern industrial inspection environment. They offer portable and intelligent remote imaging solutions with a host of advanced, yet intuitive features, making them ideal remote visual inspection instruments. A wider range of videoscopes and borescopes with various diameters and viewing options are available.

**Industrial Videoscopes**
Deliver bright images through high resolution LCD monitor and offer simple operation and outstanding performance including recording functions.

**Industrial Borescopes**
These rigid instruments use optical lens systems to transmit an image from the inspection area back to the eye and a non-coherent fiber bundle to illuminate the object.

### Available Products
- **Olympus** - IPLEX FX 4-Way Articulation - 6mm x 7.5m
- **Olympus** - IPLEX LT 4-Way Articulation – 8.5mm x 10m
- **Olympus** - IPLEX LT 4-Way Articulation – 8.5mm x 3.5m
- **ITI** - V5+ 4-Way Articulation - 6mm x 7.6m
- **Dellon** - G-Series 4-Way Articulation - 6mm x 3m
- **Dellon** - G-Series 4-Way Articulation - 4mm x 3m
- **MFE Rentals** - MFE-Series 3.9mm x 10m; 5.5mm x 5m; 5.5mm x 10m; 8mm x 20m; 5.5mm x 30m
- **MFE Rentals** - MFE-Series 2-Way Articulation - 6mm x 3m
- **GE** - XLGO 4-Way Articulation – 6.1mm x 3m, 6.1mm x 8m
- **GE** - XL VU 4-Way Articulation

We offer various lengths and diameters.
At MFE Rentals, our inventory is developed with the RVI professional in mind. We stock only the best equipment, based on industry demands. Our Push Camera Inspection Systems all come highly recommended and they help users analyze and inspect internal pipe damage and corrosion.

With a variety of applications, inspectors can use the push camera to visually inspect hard to reach areas such as pipelines, waste water lines, ventilation systems, hollow spaces and shafts. They serve the inspection needs of many different industries:

- Process Industries, including food, pharmaceutical and petrochemical, require inspection of pipe for erosion, corrosion, deposits, blockages and weld integrity.
- Power Plants require routine inspection of heat-exchanger tubes and other heat-transfer infrastructure.
- Plumbers need a push camera that can pass through multiple bends in drain pipe, yet which has the rigidity for long-distance pushes.
- Electrical and HVAC Technicians need a portable tool to inspect electrical conduit and duct work on the fly.
- Transportation Industries inspect hard-to-reach areas of airframes, ship hulls and cargo containers using field-deployable tools that capture critical information with minimal setup.

Available Products

- **MFE Rentals** - PipeMaster 200’
- **insightVision** - VuTek 400’
- **insightVision** - VuTek 200’
- **Pearpoint** - P330 200’
- **Rycom** – 8873 Pathfinder 512hz Locator (used with PipeMaster, VuTek or P330)
- **Pearpoint** - P374 IS 200’
- **Wohler** - VIS2000 w/Pan & Tilt Camera Head 100’
- **Wohler** - VIS400 w/Pan & Tilt Camera Head 100’
- **Wohler** - VIS240 100’
- **Wohler** - VIS340 w/Pan & Tilt Camera Head 100’
- **Wohler** - VIS250 100’
- **Wohler** - VIS350 w/Pan & Tilt Camera Head 100’
- **Wohler** - L200 Locator (used with VIS350, VIS 250 or VIS400)
The Spectrum 90 with pan, tilt and zoom is one of the most popular Inuktun cameras on the market. With a 40x zoom, 1/4in CCD color camera, the SP90 provides 460+ TV lines of resolution at 1.5lux sensitivity. At a diameter of only 3.5in / 90mm, the Spectrum 90 can go almost anywhere you need to see.

The Spectrum 150 pan, tilt and zoom camera carries unique features designed with end users in mind. The 360 tilt reduces the need of repositioning the camera. Plus with its 432x zoom, you can see further than is possible with most of the other cameras on the market. The Spectrum 150 makes inspection easier and quicker.

Available Products

- **Inuktun** - Spectrun 150 w/Pan, Tilt & Zoom Camera Head 100’
- **Inuktun** - Spectrun 90 w/Pan, Tilt & Zoom Camera Head 100’
- **MFE Rentals** - Tank Master w/Pan, Tilt & Zoom Camera Head 100’
- **iShot** - PTZ-400
- **iShot** - PTZ-550 (HD)
RVI - Crawler Inspection Systems

The Versatrax 150 is a modular, long range (1,500ft / 450m) internal pipe inspection system capable of operation within a variety of pipe sizes. The in-line chassis system is designed for operation in pipe with a minimum internal diameter of 6in / 150mm up to 12in / 300mm. In the parallel configuration, the crawler is steerable and can operate in 12in / 300mm and larger pipe. The standard Spectrum 90 camera provides a high quality video image with pan, tilt and zoom capability. All Versatrax units are configurable for round pipe or flat surface operation. The vehicles are adjustable for a range of pipe diameters.

Not only does the DT340 pipe crawler include internal batteries, it also comes with a lightweight handheld control console, a strong but thin tether, a pivoting tether connection, wheel and track options, and plug-and-play integrations – all designed to make your pipe inspections easier.

Available Products

- **Inuktun** - Versatrax 150 w/Pan, Tilt & Zoom Camera Head 500’
- **Inuktun** - Versatrax 100 w/Pan & Tilt Camera Head 600’
- **Deep Trekker** - DT-340 Pipe Crawler
INDUSTRIAL DRONES

Industrial visual inspection has never been easier, faster, and safer with the advancement of UAV technology. MFE Rentals brings you top industrial drone equipment from top manufacturers such as DJI and Flyability.

Flyability’s ELIOS allows the rapid inspection of tight spaces without fear of collision. The DJI Matrice 200 series takes inspectors to new heights as they intimately inspect expansive industrial structures from the safety of the ground.

Available Products
• Flyability - ELIOS 2
• Flyability - ELIOS
• DJI - Matrice 200 Series V2
• DJI - Matrice 200 Series

We are proud to bring you DJI’s entire drone catalog. Contact your nearest MFE Rentals representative to learn which drone is right for you.
CAMERA PAYLOADS

As the first integrated aerial camera with an optical zoom up to 30x and digital up to 6x, the **Zenmuse Z30** offers unparalleled image data capture. Enterprises are now able to capture the information they require from a greater range, making image data collection significantly faster and eliminates risk of harm to both personnel and equipment.

The **Zenmuse XT** is the ultimate solution for rapid and reliable aerial thermal imaging. Capture faster, with pinpoint precision, over large areas, then save them for analysis and reporting.

**Available Products**
- DJI - Zenmuse XT
- DJI - Zenmuse Z30
- DJI - Zenmuse X4S
- DJI - Zenmuse X5S
Available Products

- Deep Trekker - DTG3 ROV
- Deep Trekker - DTG2 ROV
- Deep Trekker - DTX2 ROV
- Deep Trekker - DT340 Pipe Crawler
- Deep Trekker - DT640 Utility (Mag) Crawler
- Deep Trekker - DTPod

REMOTELY OPERATED VEHICLES

For years, MFE Rentals has provided inspectors with the innovative tools allowing them to inspect on land, by air, and now by sea with Deep Trekker’s line of fully-submersible remotely operated vehicles.

Referred to as underwater drones, Deep Trekker’s five underwater robotic systems can meet a variety of needs such as video inspection and light work. Whether you require a portable underwater ROV (DTG2), a wheeled or track vehicle for pipe inspection (DT340 Pipe Crawler), or a utility vehicle that can tackle a multitude of inspections (DT640), MFE Rentals has the underwater drone that will surpass your expectations.
The DTG2 and DTX2 are small while also extremely rugged, robust and capable and have been adopted around the world as the go to underwater observation tools. The line of DTG2 and DTX2 ROVs are based on clean-sheet, innovative engineering focused on customer feedback and needs.

Our rotating HD camera allows for inspection below, above, behind or infront of you as you maneuver throughout your dive. The handheld controller is based on a gaming pad, to greatly reduce the learning curve.
RV1 Equipment Repairs
Equipment Repair Done Right—Cost Effective and Fast

MFE Rentals equipment repair service knows you need your equipment evaluated quickly, repaired reliably, priced reasonably, AND turned around fast. As inspection equipment specialists we know borescopes, fiberscopes, videoscopes, push cameras, pipe crawlers and light sources inside and out. We’ll get your equipment serviced and returned ahead of OEMs. We’ll meet or exceed OEM specifications without the OEM Price.

FREE EVALUATIONS

MFE Rentals does not charge for evaluations on equipment repairs. Call us for an RMA, and then send us your equipment. Upon receipt we’ll immediately evaluate it and email you a written repair quote. The repair process begins upon receipt of your approval.

Equipment Type Serviced:
- Borescopes
- Fiberscopes
- Videoscopes
- Push Cameras
- Pipe Crawlers
- Light Sources
- Olympus
- Hawkeye
- Pearpoint
- Everest
- Machida
- Ridgid
- GE
- Karl
- Storz
- Insight Vision
- IT Concepts
- ITI and many others…

Equipment Repair Terminology / Components We Can Repair

Articulation (2 & 4 Way), Light Guide Fiber Bundle, Light Guide Cable, Outer Braiding & Sheathing, Interconnect Cable, Re-Termination, Reel, Insertion Tube, Image Fiber Bundle, Bending Section, Distal Optics, Distal Tip, Tip Braid, Articulation Handel, Push Rod and more…
Environmental Equipment Rentals & Sales
Due to the enactment of the Environmental Protection Agency’s ambient air monitoring program and similar programs around the world, ambient air monitoring equipment is widely used to monitor the emission of six pollutants: particulate matter, sulfur dioxide, carbon monoxide, nitrogen dioxide, ozone, and lead. Ambient air monitoring equipment allows state and federal field technicians to ensure compliance with ambient air quality standards, which were established to monitor the aforementioned pollutants that are considered harmful to public health and the environment.

To aid in compliance, MFE Rentals offers a comprehensive selection of ambient air monitoring instruments including PID (Photo Ionization Detector), and FID (Flame Ionization Detector), 4-Gas basic Meters, Benzene Monitors and 5 Gas Meters with PID, PPB (Parts Per Billion).
ENV - Noise Monitoring Equipment

The CEL-350IS is the easiest and most reliable noise dosimeter on the market. Its small size and light weight give it instant worker acceptance and there is no cable to snag, break or come unplugged. The CEL350IS displays detailed test results as the unit is running, and captures all the necessary combinations of exchange rate, threshold and criterion level needed to comply with Federal, State or local requirements - with no user setup required!

Noise measurements from complex sources require a complete knowledge of the variable noise climate over an extended period of time. The CEL-633 model is designed to satisfy this need by providing overall, periodic and profile time history recording to suit almost any industrial or environmental measurement requirement.

Available Products

- **Casella** - CEL-633 A1 Kit Sound Level Meter - Type 1
- **Casella** - CEL-350IS Micro Noise Dosimeter
**ENV - Flow Meters**

The **Bios Defender 510 Flow Meter lets users easily calibrate air sampling pumps.** Users can take continuous or timed interval hands-free readings while accurately setting instrument flow rates, including volumetric and standardized flow. Complete calibrations within a minute without the need for soapy bubble solutions to clean up. Measurements are automatically compensated by the integrated temperature and pressure transducers. The Bios Defender 510 Flow Meter is lightweight and compact, incorporating the industry leading DryCal technology.

- Housed in a molded case with rubber handgrips for a better feel and a sleeker, more contemporary look
- Large illuminated flow cell viewing window
- Navigation menu and a large, illuminated graphical display with zoom feature
- Rated for extreme cold operation, down to -20 °C
- RoHS (Restriction of Hazardous Substances) compliant for Europe
- Automatic Shutoff

### Available Products

- **Bios - Drycal Defender 510 calibrator 25 LPM**
MFE Rentals, Inc. is your one-stop shop for all of your NDT equipment needs—including calibrations & repairs! Take your equipment to any MFE Rentals location to have your equipment calibrated or repaired by one of NDT Electronics’ technicians who have been servicing NDT equipment for decades.

CONTACT NDT ELECTRONICS OR YOUR NEAREST MFE RENTALS REPRESENTATIVE FOR ALL OF YOUR CALIBRATION AND REPAIR NEEDS!

NDT ELECTRONICS
(707) 552-3342
536 STONE ROAD SUITE G-H
BENICIA, CA 94510
NDT Electronics has been performing instrument calibrations for nondestructive testing laboratories in the utility industry, airline industry, commercial industry, and building industry for over 20 years.

Our calibrations are traceable to the National Institute of Standards and Technology.
We are thrilled to include GB Inspection Systems Probes and wedges to our growing product selection.

Why choose GB?

- Performance
- Longevity
- Reliability
- Availability
- Customization & Flexibility
- Price
Available Products

- Olympus - 45MG w/D790 Transducer
- Olympus - 36DL Plus w/D790 Transducer
- Olympus - 37DL Plus w/D790 Transducer

We are thrilled to include GB Inspection Systems Probes and wedges to our growing product selection.

A full range of kits available:
- Standard Kits
- Weld Kits
- Rail Kits
- Corrosion Kits

High Temperature Corrosion Gauging Probes

LIMBOTOFD®

Steel Faced Probes

Low Profile Corrosion Gauging Probe

Angle Beam Compression for Duplex Weld Inspection
INTRODUCTION TO PHANTOM 4 PILOTING

Our two-day course prepares students for the FAA Part 107 Exam for commercial drone operators, and provides introductory training to DJI Phantom 4 Piloting.

MONDAY

FAA PART 107 EXAM Preparation
- Regulations
- Airspace
- Flight Space
- Chart Study
- Operations Around Airports
- Radio Communications
- Maintenance
- Preflight Procedures
- Resource Management
- Loading and Performance
- Hazards and Emergencies
- Aviation and Physiology
- Taking the Exam

TUESDAY

DJI Phantom 4 Pro Training
- System Setup
- Using the DJI Go 4 App
- The Remote Controller
- DJI Intelligent Battery
- The Camera and Gimbal
- Advanced Settings
- Emergencies
- Autonomous Flight Modes
- Flight Training

Developing a Pre-Departure Checklist
Conducting a Site Survey

SIGN UP TODAY! Contact Jason Acerbi at jacerbi@mferentals.com
ADVANCED REMOTE PILOTING SMALL UNMANNED AIRCRAFT SYSTEMS

Our five-day course includes all instruction for our two-day course, and then also explores the complexities involved in advanced commercial drone operation for use in industrial environmental inspection.

WEDNESDAY
DJI Inspire Training
• Introduction
• System Setup
• Flight Training
How to Set Up a Base of Operations
Establishing a Safe Flight Environment
Creating a Pre-Flight Checklist
Potential Hazards of Lithium Batteries

THURSDAY (cont.)
• Loss of Video Feed
• Fly-Away
• Erratic Movement
• Structures in Line-of-Flight
• Other Aircraft
• Reporting Property Damage
• Reporting Injury
Producing an After-Landing Checklist

THURSDAY
DJI Matrice Training
• Introduction
• System Setup
• Flight Training
• Camera Choices
Composing a Picture
Developing Inflight Checklists
Emergency Checklists and Procedures
• Loss of Direct Line-of-Sight

FRIDAY
An Intro to DroneDeploy
• Creating a Flightplan that works
• Fly the Plan with DroneDeploy
• Monitoring the Flight
• Post-Flight Processing
• Exporting Data Files
Operations Management w/FlightHub

Good to Know: Software, Apps, and other Resources

Contact Jason Acerbi at jacerbi@mferentals.com
ELIOS Specialized Training

ELIOS SPECIALIZED TRAINING

Tackle Use-Case Specific Challenges While Piloting The Elios Drone Through Our Obstacle Course

At MFE Rentals, we offer specialized training for maneuvering the ELIOS and ELIOS 2 in confined spaces on our indoor drone obstacle course.

Our ELIOS training program is a mix of theory and practice, and drone pilots will go through the entire process of a mission, from preparation to realization and data post-processing.

For more information, call your local MFE representative or contact Mike Vanovermeir at mikev@mferentals.com.

“MFE actually configured their site with obstacles, effects, and wrote scenarios with mission objectives. When you break into a sweat and your hands are shaking on the controller in a training environment, that means the exercise is well designed! As we said in the military, “train as you fight” and this course was spot on.”

Michael Stump
Director, UAV Inspection Services, Acuren
40 Hour MFL Training Class

Classes meet every 2-3 months! Sign up today!

• 40-Hour Course
• Breakfast & lunch provided
• Monday - Friday 8AM-5PM
• Class limited to 15 students

Our MFE Enterprises MFL Training Course complies with the API 653 Annex G certification requirements. Upon successful completion of the course, students will receive a Tank Bottom Examiner Qualification Record. The curriculum consists of three rotating methods of instruction: classroom, shop, and hands-on tank training.

For more information, call your local MFE representative or contact Bryan Duke at bduke@mferentals.com or 281-851-0885.