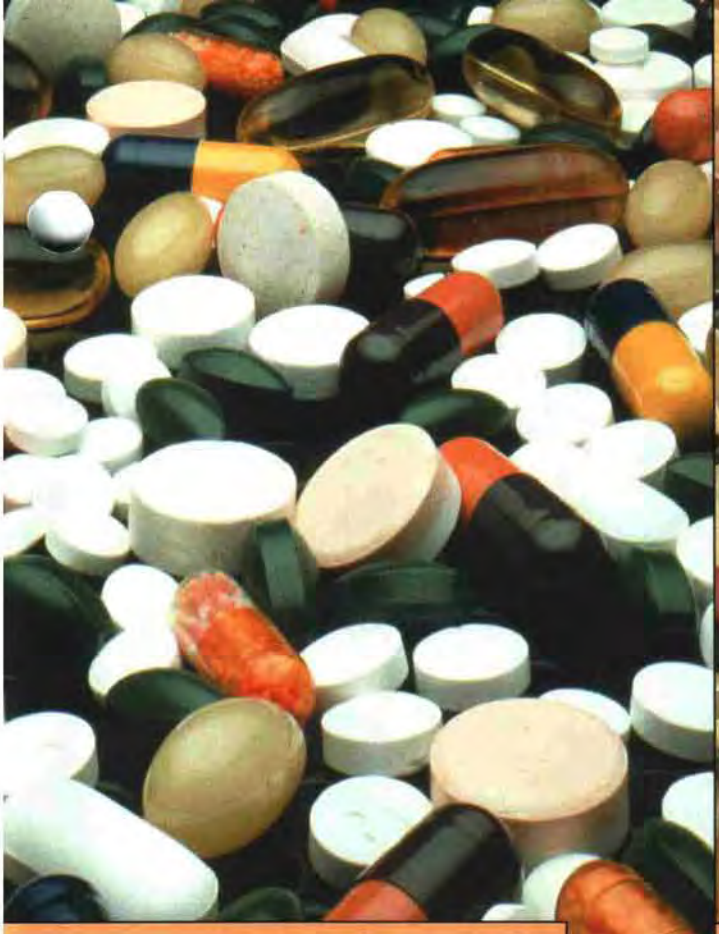
MD-205T

E-Z TEC
金屬探測器

E-Z TEC®
METAL
DETECTORS



金屬探測器簡介
Metal Detector Overview

The E-Z Tec® Metal Detector is an extremely sensitive instrument used to detect the presence of ferrous and nonferrous metals.

All industries which need product purity need metal detectors. The list of examples is almost endless, and includes food, textile, rubber, plastic, wood products, chemical, cosmetic, pharmaceutical and many other industries.

Besides the obvious benefit of product purity, the metal detector will also protect downstream equipment from damage caused by metal in the product stream.

Metal can enter the production process with the raw material or can get into the product due to wear or failure of processing equipment components. Detecting pieces of broken machinery can help resolve equipment problems before major damage occurs. Thus, equipment downtime is reduced and productivity is increased.

操作原理
PRINCIPLE OF OPERATION

The E-Z Tec® Metal Detector uses a balanced three–coil arrangement wound around the aperture to sense metal moving through it. The center (oscillator) coil emits an electromagnetic field throughout the space within the metal detector housing. Two receiver coils (placed equidistant on either side of the oscillator coil) are connected in series so that the energy coupled from the oscillator coil to either of the receiver coils exactly cancels the energy coupled to the other receiver coil; the net output of these pairs is essentially zero. Metal passing through this set of coils creates an imbalance which, if the signal's amplitude is great enough, will result in a detection.

SENSITIVITY 敏感度

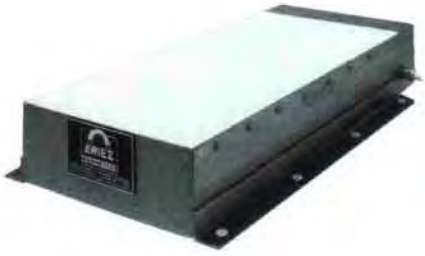
The sensitivity of a metal detector is usually defined as the diameter of the smallest sphere which is always detected. Many factors influence the sensitivity that can be attained. These include: product characteristics, type and shape of metal to be detected, aperture dimensions, and the position of the metal particle within the aperture. Actual production line sensitivities can be estimated more accurately when installation conditions and the customer's product are considered.

FEATURES 特性

- **Stainless Steel Design –** The oscillator and receiving coils are wound on a rigid frame and encapsulated in a stainless steel shell (USDA/FDA and CSA approved).
- **NEMA 4X Controls –** The controls are housed in a water–tight, dust–tight and corrosion resistant stainless steel enclosure. Other NEMA ratings are available upon request.
- **Remote Cable** (up to 100 ft)(30m) is supplied for connecting the remote electronics to the sensing head.
- **Extremely Sensitive –** Detection capabilities as small as 0.4 mm.
- **Unique Electronic Design** eliminates the need for an auto–balancing circuit.
- **Crystal Oscillator** provides stable, drift–free frequency reference.
- **Status Lights** are located behind the transparent NEMA 4 door. Bright green "ready" and red "detect" lights let you determine status instantly.
- **Electronics –** E-Z Tec digital circuitry is a high–quality system with easily removable printed circuit boards. An LED bar graph provides a continuous display of sensitivity and phase effect, invaluable for optimizing performance.
- **User–friendly** balancing and frequency adjustments are completed at the factory.

APERTURE MODELS 孔型

SINGLE SURFACE MODELS 單一表面型



垂直掉落使用 VERTICAL DROP APPLICATIONS

LIQUID FLOW APPLICATIONS 液體流動使用

CONTROL SYSTEMS 控制系統

MECHANICAL CONVEYOR MODELS 機械輸送型

Aperture Models 孔型

E-Z Tec

Eriez' E-Z Tec® Metal Detector is an extremely sensitive instrument used to detect the presence of ferrous, nonferrous and stainless steel metals.

Its control circuitry allows for instantaneous electronic recovery from phase adjustments, as well as field switchable narrow zone/wide zone detection capabilities.

The compact cabinet design allows for shorter conveyor lengths or for any installation where space is at a premium. For easy viewing and accessibility to sensitivity and phase adjustments, the control panel is angled upward toward the viewer's eye.

The E-Z Tec® Metal Detector will help improve product purity in food, textile, rubber, plastic, cosmetic, pharmaceutical and many other processing industries.

Besides enhancing product purity, the E-Z Tec will protect downstream equipment from damage caused by metal in the product stream. You can rely on the new E-Z Tec…technology in metal detection.

Eriez can provide two types of controls on E-Z Tec detectors: analog electronics with manual adjustment for sensitivity, gain, phase and reject output timing or a micro processor version (MPC) that provides a 32 product memory with individual settings for each product. In addition, the micro processor version provides a visual reject report on the LCD screen, or a permanent record can be retrieved from a printer via the RS232 and RS485 communications ports or a separate direct printer output port.

FEATURES 特性

- Angled 8-inch x 8-inch (200 mm x 200 mm) control panel (NEMA 4X) for easy viewing and accessibility to sensitivity and phase adjustments.
- Narrower cabinet design allows for space–limited applications and shorter conveyor design.
- High sensitivity capabilities via 1000–point phase adjustment.
- Instantaneous electronic recovery from phase adjustments.
- Quick recovery after the detection of large tramp metal.
- Field–switchable narrow zone/wide zone detection capabilities.
- 100–foot (30m) remote electronic capability reduces need for expensive NEMA–7 and NEMA–9 enclosures.
- User–selectable manual or automatic reject reset capability.
- Quick, field switchable power adjustments.
- Reject confirmation capabilities.
- Internal shift register for variable speed applications and multiple detections.
- Easily serviceable boards with electrical diagnostics.
- Self–check and calibration verification (MPC only).

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Aperture Models 孔型

SlimTec

The SlimTec Aperture Model provides the same highly sensitive detecting capabilities as the E-Z Tec Aperture Model, in a design better suited to certain products and factory situations.

It is particularly effective for detecting metallic contaminants in wide, thin products, such as plastics, rubber, wood, woven materials and particle board. The narrow profile and micro metal–free area of the unit permit it to be installed in areas with limited space and with little isolation of any surrounding equipment.

The oscillator and receiving coils are wound on a rigid frame and encapsulated within a painted aluminum shell. Surge–protection electronics permit the detector to withstand high levels of static discharge.

Eriez can provide either analog electronics with manual adjustment for sensitivity, gain, phase and reject output timing or a micro processor version (MPC) that provides a 32 product memory with individual settings for each product. In addition, the micro processor version provides a visual reject report on the LCD screen, or a permanent record can be retrieved from a printer via the RS232 and RS485 communications ports or a separate direct printer output port.

FEATURES 特性

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- Instantaneous electronic recovery from phase adjustments.
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- Field–switchable narrow zone/wide zone detection capabilities.
- 100–foot (30m) remote electronic capability reduces need for expensive NEMA–7 and NEMA–9 enclosures.
- User–selectable manual or automatic reject reset capability.
- Quick, field switchable power adjustments.
- Reject confirmation capabilities.
- Internal shift register for variable speed applications and multiple detections.
- Easily serviceable boards with electrical diagnostics.
- Self–check and calibration verification (MPC only).
- Static resistant aperture liner and electronics.
- Field–replaceable circuit modules.
- Accommodates conveyor speeds from 2 fpm to 4400 fpm (1 mpm to 1350 mpm).
- Solid state relays for arc–free switching.

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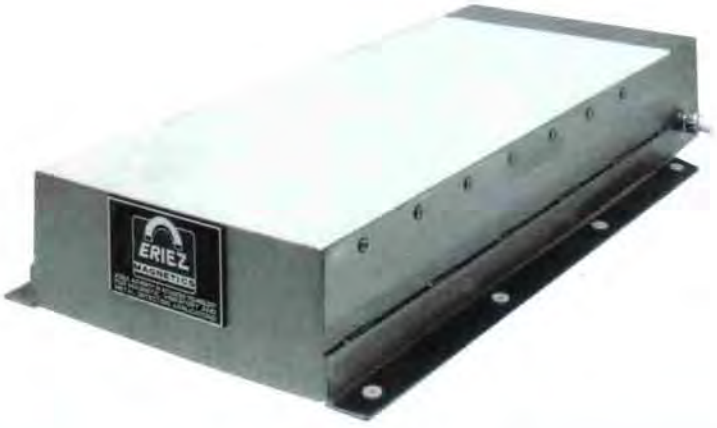
Single Surface Models 單一表面型

E-Z Tec Flatbed
(E-Z Tec III only)



Eriez' standard Flat Bed Single Surface E-Z Tec III Metal Detector is ideal for a number of applications, products and working environments.

It is particularly effective for detecting metallic contaminants in large or oversized applications. The flat–surfaced detection area is positioned beneath the (user–supplied) belt or conveyor. This design can accommodate materials such as sheet plastics, wood, rubber, woven materials, particle board, and liquids in metal–capped bottles.

The unit's oscillator and receiving coils are wound on a rigid frame and encapsulated within a rectangular stainless steel shell.

Eriez can provide either analog electronics with manual adjustment for sensitivity, gain, phase and reject output timing or a micro processor version (MPC) that provides a 32 product memory with individual settings for each product. In addition, the micro processor version provides a visual reject report on the LCD screen, or a permanent record can be retrieved from a printer via RS232 and RS485 communications ports or a separate direct printer output port.

FEATURES 特性

- High sensitivity capabilities via 1000–point phase adjustment.
- Field–switchable narrow zone/wide zone detection capabilities.
- 100–foot (30m) remote electronic capability reduces need for expensive NEMA–7 and NEMA–9 enclosures.
- User–selectable manual or automatic reject reset capability.
- Quick, field switchable power adjustments.
- Reject confirmation capabilities.
- Internal shift register for variable speed applications and multiple detections.
- Easily serviceable boards with electrical diagnostics.
- Easily installed without cutting the belt.

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Single Surface Models 單一表面型

SlimTec

The SlimTec Single Surface Model provides highly sensitive detecting capabilities in a design effective for detecting metallic contaminants in wide, thin products. The flat–surfaced detection area is positioned beneath the product or conveyor belt. This design can accommodate materials such as sheet plastics, wood, rubber, woven materials and particle board. The SlimTec is also ideal for inspecting liquids in metal–capped bottles.

The unit's oscillator and receiving coils are wound on a rigid frame and encapsulated within a painted, rectangular aluminum shell.

Eriez can provide either analog electronics with manual adjustment for sensitivity, gain, phase and reject output timing or a micro processor version (MPC) that provides a 32 product memory with individual settings for each product. In addition, the micro processor version provides a visual reject report on the LCD screen, or a permanent record can be retrieved from a printer via RS232 and RS485 communications ports and a separate direct printer output port.

FEATURES 特性

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- High sensitivity capabilities via 1000–point phase adjustment.
- Instantaneous electronic recovery from phase adjustments.
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- Field–switchable narrow zone/wide zone detection capabilities.
- 100–foot (30m) remote electronic capability reduces need for expensive NEMA–7 and NEMA–9 enclosures.
- User–selectable manual or automatic reject reset capability.
- Quick, field switchable power adjustments.
- Reject confirmation capabilities.
- Internal shift register for variable speed applications and multiple detections.
- Easily serviceable boards with electrical diagnostics.
- Self–check and calibration verification (MPC only).
- Easily installed without cutting the belt.
- Field–replaceable circuit modules
- Accommodates conveyor speeds from 2 fpm to 4400 fpm (1 mpm to 1350 mpm).
- Solid state relays for arc–free switching.

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Vertical Drop Models 垂直掉落型

Vertical Form, Fill and Seal (VFS)

Eriez' new E-Z Tec® Vertical Form, Fill and Seal (VFS) Metal Detectors are excellent for detection and removal of ferrous, nonferrous and stainless metal contaminants.

The E-Z Tec® VFS Metal Detector will help improve product purity for products processed in Form Fill Seal Equipment and other applications where vertical heights are extremely restricted.

Its control circuitry allows for instantaneous electronic recovery from phase adjustments, as well as field switchable narrow zone/wide zone detection capabilities.

Eriez VFS units can be supplied with either analog or microprocessor (MPC) based electronics. Standard sizes for 4, 6 and 8–inch (102, 152 and 203 mm) pipes are available.

FEATURES 特性

- Narrow cabinet design for space–limited locations.
- 1000–point phase adjustment for precise setup.
- Instantaneous electronic recovery from phase adjustments.
- Quick recovery after the detection of large tramp metal.
- Field–switchable narrow zone/wide zone detection capabilities.
- 100–foot (30 m) remote electronic capability reduces need for expensive NEMA–7 and NEMA–9 enclosures.
- User–selectable manual or automatic reject reset capability.
- Quick, field switchable power adjustments.
- Self–check and calibration verification (MPC only).

Vertical Drop Models 垂直掉落型

垂直排除系統
Vertical Reject Systems

Eriez' E-Z Tec® Low Profile Vertical Drop Metal Detectors are excellent for detection and removal of ferrous, nonferrous and stainless metal contaminants in gravity fed powder or granulated products.

These low profile units accommodate many applications with restrictive height requirements. The combination of negligible metal–free area and quick acting chute reject valve design provides a minimal height system.

Upon detection, the E-Z Tec Low Profile Metal Detector will activate a specially designed chute–type reject valve to remove the contaminant from the product flow.

Each system is manufactured from 304 stainless steel and includes an E-Z Tec Low Profile Metal Detector with a remote control that can be mounted up to 100 feet (30 m) from the detection head. Also included is an antistatic non–metallic pipe with a grounding strap which prevents static build up, reducing false detections.

Eriez can provide either analog electronics with manual adjustment for sensitivity, gain, phase and reject output timing or a micro processor version (MPC) that provides a 32 product memory with individual settings for each product. In addition, the micro processor version provides a visual reject report on the LCD screen, or a permanent record can be retrieved from a printer via the RS232 and RS485 communications ports or a separate direct printer output port.

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Liquid Flow Model 液體流動型

Eriez' E-Z Tec Narrow Profile Liquid Line Metal Detectors are used to detect the presence of ferrous, nonferrous and stainless metal contaminants in viscous products such as liquids, slurries, syrups, pastes and many other pumped products.

When metal is detected in the product flow, a reject signal is channeled to one of the available output relays. The output relay can be used to activate a ball valve, control a visual or audio alarm, or send a signal to a PLC.

In addition to enhancing product purity, Eriez Liquid Line Systems can protect vital downstream equipment from metal in the product stream. Complete systems can be provided in pipe sizes ranging from one–inch (25 mm) to six–inch (150 mm) diameter.

Eriez can provide either analog electronics with manual adjustment for sensitivity, gain, phase and reject output timing or a micro processor version (MPC) that provides a 32 product memory with individual settings for each product. In addition, the micro processor version provides a visual reject report on the LCD screen, or a permanent record can be retrieved from a printer via the RS232 and RS485 communications ports and a separate direct printer output port.

FEATURES 特性

- Stainless steel sensing head, USDA/FDA/Dairy and CSA approved
- Remote electronics in a NEMA–4X stainless steel enclosure with up to 100 feet of cable.
- "Kynar" nonmetallic pipe with transitions to suit customer's requirements.
- Stainless steel reject valve, full port, ball type, air activated (90 psi).
- Stainless steel square tubular continuous welded support frame.
- Air combo consisting of filter, gauge and solenoid.

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Pharmaceutical Model 製藥型

Eriez' E-Z Tec Pharmaceutical Gravity–fed Metal Detector has been designed for the detection and removal of minute pieces of ferrous, nonferrous and stainless steel contaminants. These particles enter the product stream from deteriorating processing equipment components such as worn sieve wires or splintered dies.

This highly–sensitive metal detector incorporates Eriez' state–of–the–art central electronics and power supply within one compact 304 stainless steel shell. This compact design also accomodates many space–restricted areas within tablet and encapsulation rooms.

Eriez' pharmaceutical unit has been engineered with an adjustable pivoting sensing head for precise angle adjustment. It has one of the largest and easiest to clean product chutes in the industry to optimize efficiency. The fixed or adjustable supporting stand comes standard with casters and is manufactured from 304 stainless steel.

FEATURES 特性

- Instantaneous electronic recovery from phase adjustments.
- Field–switchable narrow zone/wide zone detection capabilities.
- Quick recovery after detection of large tramp metal.
- User–selectable manual or automatic reject reset capability.
- Quick, field switchable power adjustments.
- Self–check and calibration verification (MPC only).

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Metal Detector Conveyor Systems 金屬探測輸送系統

Eriez offers technical expertise when combining metal detection and customized conveying systems. Engineering experience has enabled Eriez to manufacture the largest Metal Detection Conveyor System ever built (see photo above). The 80–inch high by 66–inch wide (2032 x 1676 mm) aperture unit provides excellent sensitivity down to 0.480 inch (12 mm) steel. The stainless steel framed 30' (9 m) long conveyor can easily convey up to 2600 pounds (1200 kg) of material.

Eriez Metal Detector Conveyors may be equipped with microsized pulleys, 1/2–inch (12 mm) in diameter, to transfer small products to and from adjoining conveyors. Variable speed motors can also be provided to compensate for differing production rates and product sizes. Locking casters are also available for all conveying systems to provide easy portability.

Only Eriez can provide highly specialized conveying systems combining high speed vibratory feeders and magnetic drum separators for the separation of ferrous contamination, and metal detectors to monitor the final product for the presence of nonferrous metals.

Larger aperture E-Z Tec Metal Detectors can be provided on shortened conveyors to accommodate areas with limited space. For some applications, specialized electronics can be supplied, reducing the metal–free area of the unit and permitting the employment of short conveyors.

Ruggedized conveyors can be supplied for tramp metal detection for products located in extremely wet, acidic areas and other applications in the wood, ore and glass industries. Heavy duty belts can be incorporated to convey difficult products.

Eriez Metal Detector Systems can be provided with supports for ceiling or wall suspension. Our conveyor design provides swivel turnbuckle connections to accommodate horizontal or slightly angled installations. Controls for the systems can be remote to enable floor level adjustability of the conveyor and metal detector functions.

CONTROL, MOTOR AND POWER OPTIONS

- Central control NEMA 7 and 9
- Control with start/stop switches for both the metal detector and conveyor.
- Variable speed motor
- 120/240V
- Various HP and special motors

ALARM AND REJECT DEVICE OPTIONS

- Air blow off
- Pusher arm
- Diverter arm
- Flip gates (standard and adjustable)
- Belt reversing
- Retractable head pulley
- Horn and/or beacon
- Stoppage of belt
- Reject Confirmation

BELT AND FRAME OPTIONS

- Sided and/or cleated belts
- Plastic or 2–ply FDA USDA cloth belts
- Widths up to 84 inches (2134 mm)
- Lengths 3 to 26 feet (1 to 8 m)
- Stainless steel (304 and 316) or painted carbon steel
- Locking casters or ceiling mount self–adjusting blocks

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E-Z Tec Analog Control E-Z TEC類比控制

The E-Z Tec Analog Control utilizes a unique combination of digital circuitry and solid state amplifiers to process the received signal. A crystal oscillator provides a stable reference and drift free electronics and provides the user with manual selection of either WIDE ZONE detection or NARROW ZONE detection.

- **Wide Zone** detection should only be used where the incidence of static discharge from product is contained or antistatic pipes are used. Static electricity is a unipolar discharge. The polarity will either be positive or negative causing a disturbance on at least one of the two receiver coils. If the disturbance is large enough a false detection could occur.
- **Narrow Zone** detection will almost eliminate false detections caused by static electricity. Narrow Zone requires each receiver coil to be disturbed within a given time period, and if only one coil is affected a detection will not take place.
- **The LED display** will provide a visual indication of the strength of the detection signal in relation to the metal size, and is also used to monitor the phasing–out procedure used for products that cause false detection due to the presence of moisture, salts or additives.
- **Sensitivity** control allows adjustment of the detection threshold for minimum and maximum metal sensitivities.
- **Phase** provides the user with a infinite control for adjusting the metal detector for product effect.
- **Travel Time** is an adjustment for delay of the detection signal output. This will allow time for the detected contaminant to be positioned at the downstream reject device (such as, air blow off, pusher bar, flip gate, etc.).
- **Reject Time** is a variable adjustment for extending the reject output signal. This feature allows the user to adjust the reject output time from 0 to 10 seconds.
- **Mechanical Relays** include two individual fused (5 amp) relays with independent control for various output functions (reject devices, alarms, PLC's, etc.).

SPECIFICATIONS

Power Supply
120V/240V, 48-62 Hz

Fuses
One for the electronic circuitry and one for each solid state and mechanical relay.

Status Lamps
Yellow: fault
Red: detect

LED Bar Graph Display
Shows power–on status and metal signal level.

Reject Timing
Variable delay and duration shift register stores multiple detections for precise rejection of tramp metal. Clock pulse input provided for variable product speeds.

Frequency
Optimized for aperture size and product to be inspected.

Product Speed
3 to 8000 fpm (.02 to 40 mps)

Output Control
Two mechanical relays. AC or DC, solid state relays available as an option.

Sensitivity
Detector provides 100 levels at which metal will be detected.

Phase Control
Can be used to either peak the response to a particular metal or to suppress the response to the product under inspection (1,000 settings available).

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Microprocessor Control (MPC) 微處理控制

Eriez' E-Z Tec Micro Processor Control (MPC) provides a user friendly transition from analog adjustments to digital settings through a menu–driven digital hierarchy. The digital screen offers alphanumeric displays of all preset functions or reject occurrences as they take place and also records the date and time of any changes to the preset settings.

Digital processing and controls on all E-Z Tec MPC Metal Detectors allow fast product changes. The active (present) product can be changed via the front panel 'touch' button or remotely through the RS–232 or RS–485 computer interface connection.

On–site adjustments and settings are initiated using a 9–button touch panel control. A backlit super twist 8–line x 40 character display allows up to 32 different product selections, and the computer interface allows unlimited product selections, with each product selection defining such parameters as sensitivity, gain, phase, product description and relay states. Unauthorized changes are eliminated by a three level 4–digit security code. Battery backup provides memory loss protection caused by power outages.

The reject menu displays report number, product, date, time and magnitude of the reject signal in millivolts. The internal memory holds up to 100 reject events for visual review, or reports can be sent to a local printer or to a computer via the RS232 and RS485 communications ports or a separate direct printer output port for an unlimited record of reject reports.

FEATURES 特性

- Angled nine button touch panel control (NEMA 4X) for easy viewing and accessibility to sensitivity, phase and all other control features.
- Narrow cabinet design for space–limited locations and shorter conveyor design.
- Self check and calibration verification.
- 1000–point phase adjustment for precise setup.
- Instantaneous electronic recovery from phase adjustments.
- Quick recovery after detection of large metal.
- Automatic phase adjustments for wet/conductive products.
- Field–switchable narrow zone/wide zone detection capabilities.
- Three levels of password accessibility.
- 100–foot (30 m) remote electronic capability reduces need for expensive NEMA–7 and NEMA–9 enclosures.
- User–selectable manual or automatic reject reset capability.
- Quick, field switchable power adjustments.
- Reject confirmation and report generating capabilities.
- Software for computer interface is provided upon request. Additional upgrades to the MPC are not required.
- Internal shift register for variable speed applications and multiple detections.
- Easily serviceable boards with electrical diagnostics.
- Computer interface allows automatic scanning of multiple detectors with alarm for abnormal reject rates.
- Unlimited storage of product settings and reject reports using computer connection.
- Available for all E-Z Tec Metal Detectors.

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Digital processing and controls on all E-Z Tec MPC Metal Detectors allow fast product changes. The active (present) product can be changed via the front panel 'touch' button or remotely through the RS–232 or RS–485 computer interface connection.

On–site adjustments and settings are initiated using a 9–button touch panel control. A backlit super twist 8–line x 40 character display allows up to 32 different product selections, and the computer interface allows unlimited product selections, with each product selection defining such parameters as sensitivity, gain, phase, product description and relay states. Unauthorized changes are eliminated by a three level 4–digit security code. Battery backup provides memory loss protection caused by power outages.

The reject menu displays report number, product, date, time and magnitude of the reject signal in millivolts. The internal memory holds up to 100 reject events for visual review, or reports can be sent to a local printer or to a computer via the RS232 and RS485 communications ports or a separate direct printer output port for an unlimited record of reject reports.

FEATURES 特性

- Angled nine button touch panel control (NEMA 4X) for easy viewing and accessibility to sensitivity, phase and all other control features.
- Narrow cabinet design for space–limited locations and shorter conveyor design.

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Microprocessor Control (MPC) (continued) 微處理控制(續)

SPECIFICATIONS

Power Supply
120V/240V, 48-62 Hz

Fuses
One for the electronic circuitry and one for each solid state and mechanical relay.

Status Lamps
Green: ready
Red: detect

LED Bar Graph Display
Shows power–on status and metal signal level.

Reject Timing
Variable delay and duration shift register stores multiple detections for precise rejection of tramp metal. Clock pulse input provided for variable product speeds.

Frequency
Optimized for aperture size and product to be inspected.

Product Speed
3 to 8000 fpm (.02 to 40 mps)

Output Control
Two mechanical relays, AC or DC. Solid state relays available as an option.

Sensitivity
Detector provides 100 levels at which metal will be detected.

Phase Control
Can be used to either peak the response to a particular metal or to suppress the response to the product under inspection; 1,000 settings available.

Interface Ports
RS–232 for up to 50 feet and RS–485 for up to 1300 meters and multiple unit networks.

MPCTerm

Eriez' has made its metal detection computer interface, MPCTerm, more powerful. It's packed with exciting new features.

MPCTerm makes remote access to metal detectors possible through a simple modem and phone line connection. One or more "master" computers can connect with an unlimited number of "slave" computers. Each slave can directly control up to 99 metal detectors. So with MPCTerm, there is no limit to the number of metal detectors that can be monitored from a centralized location. And since the system uses standard phone lines, MPCTerm gives you worldwide connectibility for remote monitoring and control.

Real–time diagnostic functions have been added to the E-Z Tec IV and V MPC Metal Detector as well as to MPCTerm. You can view on your computer an oscilloscopic trace of a signal from any networked E-Z Tec IV or V MPC detector. This, along with the enhanced remote operation capability, means that operational problems of a metal detector anywhere in the world can be debugged by your central support group or by the Eriez metal detector experts in Erie, Pennsylvania, USA.

FEATURES 特性

- MPCTerm is free with purchase of an E-Z Tec MPC Metal Detector.
- Worldwide connectibility.
- Master computer has access to all functions of all remote metal detectors in system.
- Unlimited number of master/slave connections.
- Remote connection can be initiated by master or slave.
- Feed worldwide reject data into central database.
- System PCs can function in master, slave or stand–alone mode — changeover is instantaneous.
- View oscilloscopic trace of metal detector signal directly on computer screen.
- Diagnostic trace can be viewed real–time or by remote access.
- Store unlimited oscilloscopic traces and recall within MPCTerm or in compatible spreadsheet programs (e.g., Excel).
- Diagnostic mode, monitor as little as one second or as much as one hour of operation.
- Zoom for signal resolution down to .1 mv or less and up to 5 volts.
- MPCTerm is compatible with Windows or DOS PCs.
- User–defined security precautions prevent inadvertent setting changes of metal detectors.