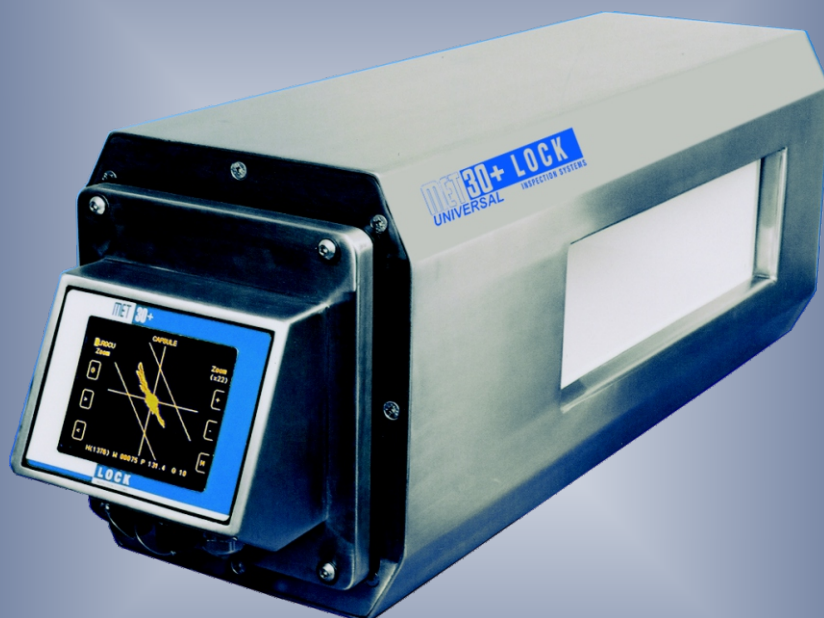


MET30+ UNIVERSAL

METAL DETECTOR



- Digital control and signal-processing
- Industry leading sensitivity
- 'Wet' and 'Dry' applications
- Rugged modular construction
- Withstands aggressive cleaning
- User-friendly
- Auto-learn and automatic product tracking feature
- Security password protected
- Simplified operation
- Networking capability with Datachek software
- 32 bit processing
- Wide range of options to suit all applications
- Standard 19 language menu

With improved detection performance, processing speeds and simplified operation, the MET 30+ **Universal** is setting new metal detection standards in the food, pharmaceutical, textile, paper and other industries.

Designed to detect real-life contaminants such as swarf and wire, the MET 30+ **Universal** is equally effective in both 'wet' and 'dry' applications. Rugged and robust, the MET 30+ **Universal** withstands the increasingly aggressive cleaning environments encountered throughout the food industry today.

The MET 30+ **Universal 3f** is the most advanced multi-frequency metal detector in the market today. Operating at **three** crystal tuned frequencies low, medium and high, the detector will automatically select the optimum frequency for each application. This feature is particularly useful when either the characteristics or the packing of the product being inspected can vary.

The MET 30+ **Universal hf** is a new high-frequency addition to the range; this detector provides the highest sensitivity level achievable for non-ferrous and stainless steel metals up to 30% higher than standard detectors. This unit is particularly effective when inspecting dry foods such as biscuits, potato chips and flour.

LOCK

MET30+ UNIVERSAL

METAL DETECTOR

TECHNICAL DATA

SYSTEM

Automatic Set-up

Conductive products eg. bread, meat, cheese require specific settings in order to achieve maximum performance. The MET 30+ **Universal** has the ability to store up to 100 different product settings in its memory and will automatically calibrate for bulk and packaged products as they pass through the system. In this way, optimum performance is ensured and the risk of products being falsely rejected is reduced.

Automatic Product Tracking

Conductive products often vary in effect on the detector during the course of production. The MET 30+ **Universal** continuously updates the currently selected product compensation setting so as to ensure optimum sensitivity.

Metallized Film

When products are packaged in metallized film, the MET 30+ **Universal** automatically creates stable product setups to suit these conditions.

Security codes

Three levels of selectable security codes are provided:

- Operator level to change product types
- Supervisor level to change set-up mode
- Engineering level to access factory set-up parameters.

RS232/485 or Ethernet datalink

Allows printing and networking of product data and Quality Assurance information.

Lock Datachek Management System

The MET 30+ **Universal** Vertical Fall incorporates options for remote monitoring of detector performance either individually or as part of a group of detectors.

Software selectable menu: display languages

English	Danish	Afrikaans	Norwegian	Icelandic
German	French	Slovene	Polish	Turkish
Italian	Swedish	Czech	Finnish	Hungarian
Spanish	Portuguese	Dutch	Japanese*	

* (with display change)

SEARCH HEAD

Construction

IP54 / NEMA 12
IP65 / NEMA 4x
IP66 / NEMA 4X
IP67 / NEMA 4X
IP69k / PW12

Sizes

A full range of aperture sizes is available depending on application.

Electronics features

The detection electronics for the metal detector are housed in a single compact module having the following principal features:

- Two channel sensing
- Digital filters to eliminate excess noise
- Digital control and processing
- 100 product memory
- Automatic product compensation set-up
- Data retention when power is interrupted or disconnected
- Easy user-replaceable electronic module for minimum downtime
- Digital display alpha-numeric (bar-graph with Touchscreen option)
- Automatic tracking of varying product effect over a product run
- Simple operator interface for ease of use
- Serial ports providing print-out facility of detection events, with 1200 event storage
- Capability to metal detect through metallized film

GENERAL

Sensitivity

A detailed indicative sensitivity chart for different aperture sizes is available for guidance. Actual value for given products can be specified after in-house product testing

Reject Options

Lock can deliver a complete range of reject mechanisms to suit all applications. Detailed information is available on request.

Reject Timer Options

Timer functions are carried out under microprocessor control and are all set from the keypad

Outputs

Voltage-free relay contacts Rating 240V, 5A resistive

Power supply

Universal power supply 95-264V AC
30VA max. Single phase

Operating Environment

Temperature: -5° to 45°C / 23° to 113°F

Humidity

Up to 95% RH depending on sealing standard

Throughput Speeds

(Belt Speeds)
5m/16.5ft per minute upward available as standard. Lower speeds can be accommodated depending on the application.

Conveyor

A wide variety of conveying systems can be custom-designed to suit all applications.

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INSPECTION SYSTEMS

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