

MET30+ UNIVERSAL

VERTICAL FALL METAL DETECTOR



- MET 30+ *Universal* digital electronics deliver a new benchmark for sensitivity
- Supplied with complete test kit
- Minimum installation space required due to compact design
- Dry and wet area applications are available
- Throughput up to 50 tonnes per hour
- Supplied as a complete unit comprising metal detector, throughput tube, sealed reject device and mounting frame
- Sealed to IP66 (NEMA 4X) for washdown applications
- Quick release reject mechanism available as sealed flap or cowbell design
- Standard 19 language menu
- ATEX approved to Zone 21 and 22

MET 30+ *Universal* vertical fall systems can be installed at the beginning of a production line to inspect materials in bulk powder or granule form, or anywhere in the process where the product is falling freely under gravity e.g. beneath feed hoppers and in pipelines.

High throughput rates coupled with high sensitivity makes the MET 30+ *Universal* Vertical Fall unit ideal for the detection and rejection of metallic contamination in the processing of cereals, cocoa, coffee, sugars, dried fruit and vegetables, flour, milk powder products, rice, chemical granules, powders and plastic pellets.

MET 30+ *Universal* with **high frequency** option provides up to 30% greater sensitivity with dry products.

LOCK

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TECHNICAL DATA

SYSTEM

Automatic Set-up

Conductive products require specific settings in order to achieve maximum performance. The MET 30+ *Universal* Vertical Fall has the ability to store up to 100 different product settings in its memory. In this way, optimum performance is ensured and the risk of products being falsely rejected is reduced.

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

IP66 / NEMA 4X.

Sizes

Available with throughput pipe, internal dimensions of 50mm (2"), 100mm (4"), 150mm (6"), 200mm (8"), 250mm (10") and 300mm (12").

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
- Simple 3 button interface gives ease of use
- Digital display alpha-numeric (bar-graph with Touchscreen option)
- Easy user-replaceable electronic module for minimum downtime
- Serial ports providing print-out facility of detection events, with 1200 event storage

GENERAL

Reject Options

Pneumatically operated sealed flap or cowbell reject mechanisms can be specified according to the application.

Test Ball Kit

To ensure accurate and dependable in-process testing a test kit is supplied as standard, which comprises test sample, grid and catch tray.

Outputs

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

Power supply

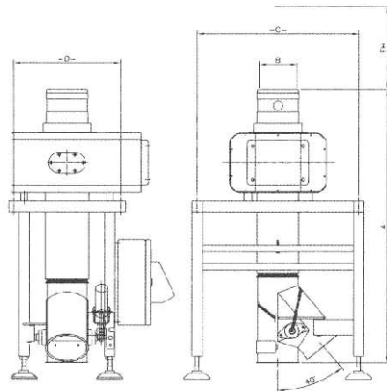
Universal power supply 95-264V AC
47-63 Hz
Fuse 3A

Operating Environment

Temperature: -5° to 45°C/23° to 113°F

Humidity

Up to 95% RH depending on sealing standard



DIMENSIONS

	100mm (4")	150mm (6")	200mm (8")	250mm (10")
THROUGHPUT	6000 kgs	13500 kgs	24000 kgs	38000 kgs
RATE PER HOUR	13200 lbs	29700 lbs	52800 lbs	83600 lbs
MAXIMUM FALL HEIGHT	550mm (21.5")	800mm (31.5")	800mm (31.5")	800mm (31.5")
A	880mm (34.5")	1048mm (41")	1364mm (54")	1444mm (57")
B	96mm (3.7")	144mm (5.6")	197mm (7.7")	248mm (9.7")
C	495mm (19.5")	535mm (21")	620mm (24.5")	835mm (33")
D	350mm (14")	410mm (16")	500mm (20")	641mm (25")

Above are examples. For all other sizes, please contact Lock Inspection Systems

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