



Metal Detection

HIGH-SENSITIVITY DISCOVERY METAL DETECTOR



SUMMARY:

- *Detection of ferrous, non-ferrous and stainless steel metals*
- *High-sensitivity and automatic product effect adjustment*
- *Reliable protection against the smallest of metallic contaminants*
 - *Inspection of products on conveyors and pipelines*
 - *Optional features and facilities available*



A MASTER MAGNETS COMPANY

www.metaldetection.co.uk

HIGH SENSITIVITY DISCOVERY METAL DETECTORS

High Sensitivity Discovery Metal Detectors from Metal Detection Ltd offer complete protection against metal contamination in high risk products such as food and food packaging.

The Discovery has an optimum sensitivity for detecting stainless steel and non-ferrous metals such as copper, brass, aluminium, lead etc.

Search coils complete with evaluation electronics and operating terminals are integrated into a BS 304 stainless steel housing.

Aperture sizes range from 30mm to 600mm high and 75mm to 2750mm wide. Pipeline detector apertures range from 28mm diameter up to 340mm diameter.

The discovery metal detector is supplied with four factory-installed shock mounts to electrically isolate the Metal Detector from the belt structure and to lessen the effect of belt structure vibration.

Special air cooled versions are available to suit products with higher temperatures and high-pressure water-resistant units

can also be supplied for severe cleaning environments.

The Discovery offers the option of up to 3 frequencies within the 60-1000KHz frequency range and enables you to operate using the low, medium and high frequency range all from one device.

The Discovery can automatically learn and save all of the required parameters of up to 200 products. The information is stored in its memory to allow the user to easily switch between products during operation.

The Discovery can be supplied as a metal detector only or complete with associated belt conveyor and automatic rejection device (if required).

This enables the Discovery to be used for a wide range of products, providing the highest sensitivities for all magnetic and non-magnetic metals.

TECHNICAL SPECIFICATIONS

- Supply voltage 90V – 260V
- Product speed 2cm/s – 20m/s
- Can be used in ambient temperatures of -10°C to +55°C
- Product temperatures of -30°C to +55°C
- Relative humidity 0-99%
- Housing 1.4301 Stainless Steel
- Protection Class IP65 (IP69 Option)
- Atex 22 conformity (Option)



Metal Detection Ltd has been established in the electronic metal detector business for over 40 years, manufacturing and supplying industrial metal detectors and metal detection systems world-wide. Please visit our website at www.metalDetection.co.uk to view the entire range of Metal Detection equipment where brochure and video downloads are available.



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