



## Search Coils

The METALARM 6600 Control Unit can be operated with any of the METALARM 6000 Range of Search Coils.

There are two groups of plate type search coils, the 'S' series for the standard sensitivity and the 'SW' series for high sensitivity.

The 'S' series is manufactured in high density polyethylene and the 'SW' in polypropylene. Both types of coil can be supplied with grooves down their centres for conveyor belts that have underbelt tracking ribs. These are designated by the letter 'C'.

In addition to the standard plate coils, the 'SW' circular aperture type search coil (shown right) which is available in any size up to 300mm diameter and is often favoured where metal-free space is limited.

### Sensitivity

This is determined by the adjustment of the electronics and is dependent upon the width of the search coil, the height of the product and the type and size of the metal being detected. Eriez Pulse Technology will supply sensitivity estimates on request for your application.



## Specifications

### Mechanical

Housing	IP66
Dimensions	260 x 140 x 83mm
Weight	1.79 Kg

### Electronics

110 or 220V, 50 or 60 Hz operation - switchable  
 Two changeover relay contacts output rated at 5A/250V  
 Visual alarm - metal detected  
 Reset switch  
 Power 'on' indicator  
 Search Coil cable 1 metre long URM76/RG58 coaxial type, incorporating an IP65 plug to connect it to the search coil

## Range of Control Units

The METALARM 6600 Control Unit is now the standard unit in the range and can be used with any of the above search coils.

It employs a single plug-in printed circuit board for ease of replacement, all connections being via the plug-in connectors.

The Surface Mount Technology (SMT) is used wherever possible to increase the reliability of the detector. The new MA6600 also incorporates the latest circuitry to combat electrical interference from adjacent machinery.

## Other Metal Detectors

**METALARM 3000 Range** For inspection of mouldings for metal contamination.

**Balanced Coil Range** For checking plastic containers prior to use in the food industry.

**METALARM 7000** For checking plastic sheet materials.

**METALARM HandyTec® Hand-Held Metal Detector** For pinpointing the position of metal in sheet materials.

Eriez also offers a range of grate magnets for installation in hoppers prior to metal detectors to reduce the incidence of the metal detector tripping and to increase recovery of ferrous metals.

### Eriez Magnetics Europe Limited

European Manufacturing, Design and Test Laboratory Headquarters  
 Bedwas House Industrial Estate, Bedwas, Caerphilly CF83 8YG, UK

Telephone: 029 2086 8501 Fax: 029 2085 1314  
 Int Tel: +44 29 2086 8501 Int Fax: +44 29 2085 1314  
 E-mail: eriez@eriezeurope.co.uk  
 www.eriez.com

