

R Series Signature

Metal detection for processing & packing



Easy to operate

Quick, easy setting through a robust membrane key panel, the well proven Signature electronics platform has long been the industry standard for metal detector operation.



Conveyor integration

R series detection heads can be fully integrated into a wide range of standard or bespoke conveyor systems enabling automated on-line inspection to take place.



Maximum versatility

Mettler-Toledo R Series heads are designed to withstand the rigors of harsh production environments.

R Series Signature

Designed for easy integration into food production lines, R Series Signature detector heads deliver high performance in-line metal detection. When combined with materials handling systems such as conveyors, product inspection can be fully automated. Unrivalled levels of detection sensitivity are attainable through the sophisticated but easy to use Signature operating system electronics platform. Even difficult to detect non-magnetic stainless steels can be readily detected.

R Series heads are also suitable for use in a wide variety of other general industrial metal detection applications.

Technical Data

R Series Signature

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Features

- **Maximum sensitivity**
- **Ease of use**
- **Detector and system validation**
- **Future proofing**
- **Restricted space applications**



Maximum sensitivity

The R series Signature metal detectors offer the highest levels of sensitivity across a wide range of applications. The use of Safelines high frequency detection coil technology combined with new enhanced filtering techniques deliver unparalleled on line sensitivity to all metal types, including the normally difficult to detect non magnetic stainless steels and non spherical contaminants such as wire, swarf and slithers of metal.

Ease of use

The R series Signature can inspect multiple products with different product signals without the need for adjustment or programme changes. Single setting operation whilst maintaining high detection sensitivity is a major benefit of the R series Signature.

Detector and system validation

The R series Signature detector from Safeline includes a performance validation routine in line with the requirements of the major retailers, HACCP and GMP. The metal detector will indicate when schedule testing is due and assist QA staff by guiding them step by step through the test routines.

Future proofing

The R series Signature detectors are designed very much with the future in mind, multi frequency detectors are available to cover the inspection of products packaged in both plain and/or metallised film whilst a wide range of connectivity options are available ensuring the R Series Signature metal detectors meet future requirements in terms of data capture and management information systems.

Restricted space applications

R series Signature detectors can be configured to incorporate Safelines revolutionary zero metal free zone (ZMFZ) technology to allow these detectors to work in close proximity to other metal structures and equipment. An internal cancellation (ICF) is generated in opposition to the primary magnetic field of the detector; this subsequently inhibits the leakage of the magnetic field, commonly referred to as the detectors metal free zone and therefore, reduces the insertion space required.

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