

T Series

Metal detection for vertical packaging applications



Signature technology

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.



Profile technology

Optional modern full colour touch screen interface is available through the latest Profile electronics platform. Providing a host of on screen features, Profile technology is the modern way to manage metal contamination and detection issues.



Compact design

Mettler-Toledo Safeline T Series heads utilise ZMFZ technology to minimise overall height requirements allowing for easy installation even in restricted spaces.

T Series

Designed to detect metal contaminated product in vertical packaging applications, Mettler-Toledo Safeline's T Series detectors provide the optimum solution for the inspection of in-flight product prior to insertion into sealed packs.

Unrivalled levels of detection sensitivity are attainable through the sophisticated electronic operating systems.

Even difficult to detect non-magnetic stainless steels can be readily detected.

Detectors are designed for minimised height allowing them to be installed in the often restricted space between weigher and bag maker.

T Series

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Features

- Inspects product inflight between weigher & bagger
- Unrivalled detection sensitivity
- Minimal installation space
- Weigher and bagger integration
- In-line validation and test routines
- Optional Profile touch screen or Signature membrane electronics



Inflight Inspection

The T series detector inspects product while inflight between the weigher and bagger. Ideal for inspecting food products wrapped in metallised packaging materials e.g. snackfoods. The T series overcomes the sensitivity limitations created by metallised packaging materials.

Unrivalled detection sensitivity

T series metal detectors offer the highest levels of sensitivity across a wide range of applications. The use of high frequency technology combined with enhanced filtering techniques deliver the highest levels of sensitivity across all metal types, including the normally difficult to detect non magnetic stainless steels. Non spherical contaminants such as wire, swarf and slithers of metal are also detected.

Minimal installation space

T series detectors utilise Safeline's renowned ZMFZ and patented ICF technology allowing them to be located in close proximity to other metal structures without compromising performance. This technology enables them to be installed in extremely restricted spaces in vertical packaging applications between weighers and baggers.

Weigher and bagger integration

Safeline T series detectors are compatible with most major weighing and bag making combinations including Ishida, TNA, Rovema, Bosch, Woodman, Wright, Yamato, and Multipond. Installation is made simple with the help of the highly experience Safeline design service. A full range of fixed position, slide or swing out mounting frames and non metallic product throughput tubes are available.

Detector & system validation

In line with GMP guidelines or general food safety legislation, retailers codes of practice an intuitive "Operational & Performance Validation" software routine guides Q.A. staff through a full system validation. Validation data along with line performance data is stored within the metal detector. Data communication options ranging from simple RS232 to Wireless Ethernet ensures that any stored data can be communicated to company management information systems.

Optional Profile touch screen or Signature membrane electronics

A choice of electronics from the very latest Profile Electronics with touch screen icon driven windows style interface to the familiar membrane Signature electronics. Both electronic options offer sophisticated digital signal processing with differing features. For more detailed information see separate data sheet.

A guide to insertion space and detection sensitivity (millimetres).

| Aperture Diameter | Insertion Space | Sensitivity Ferrous | Sensitivity Non-Mag SS |
|-------------------|-----------------|---------------------|------------------------|
| 150 | 190 | 0.6 | 0.8 |
| 175 | 220 | 0.65 | 0.9 |
| 200 | 250 | 0.9 | 1.2 |

Dimensions in mm

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