

## Thermo APEX Metal Detector.

Reliable protection against metal contamination in packed and unpacked products.



### Reliable Metal Detectors

The APEX 100, APEX 300, and APEX 500 metal detectors provide protection from many types of metal contaminants encountered in food production today. They offer innovative technologies developed for the high performance APEX 500 metal detector. Because of an effective selection from available sizes, EmWeA is able to offer a cost-efficient metal detector for the major industrial applications.

All APEX metal detectors meet food industry's high requirements regarding reliability, eco-friendliness, and hygiene. These metal detectors have been designed in respect of food-safe materials (stainless steel enclosure, ABS control panel), operational reliability, IP 69K type of protection, and ATEX.

Several options are available for APEX metal detectors, i.e. AuditCheck performance verification, compression flanges, certified test specimens, reject confirmation sensor, bin full sensor, and a variety of individual transportation systems.



### APEX 500 High Performance Metal Detector

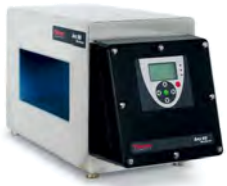
Thanks to its innovative multi-coil technology, the APEX 500 high performance metal detector detects metal pieces with appr. 20% smaller diameter than conventional metal detectors.



# APEX METAL DETECTOR




## Technical Specifications:



Construction: Stainless steel enclosure, ABS control panel  
Product speed: 0,008 m/s ... 16 m/s  
Outputs: 6 relays outputs; 250 V AC max. 2 A; 50 V DC max. 1 A  
Output allocation: Reject 1, Reject 2, AuditCheck, Fault, Alarm, Warning, QA lamp  
Inputs: 6 inputs; active 12 V DC; +12 V auxiliary supply for input sensors  
Input allocation: Speed sensor, Keylock, Product select 1, Product select 2, Infeed PEC, Reject confirmation 1, Bin full, External suppression, External alarm, External reset



Electrical supply: 85 ... 260 V AC single phase; 47 ... 65 Hz; max. 100 W  
Operating temperature: -10 °C ... +40 °C (+14 °F ... +104 °F)  
Relative Humidity: 20% ... 80%, non-condensing  
Protection ratings: IP 69K  
Certificates: CE, cCSAus, ATEX  Zone 22

## Application Examples:



Free fall system / pipe



Combi unit with checkweigher



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