ELS

Plate type metal detector for installation in conveyor belts and material chutes

- Detects magnetic and non-magnetic metal contamination, even when enclosed in product
- Reduces expensive machinery failure and minimises production downtime
- Ensures product quality
- Prevents customer complaints
- Break even within a very short period of time

- To analyse smalls and bulk materials with material height up to 100 mm
- The sturdy and solid design guarantees high noise immunity
- High scanning sensitivity to all metals
- Simple integration in conveyor belts and production lines
- Pre-installed parameters simplify operation
- Auto-Set (auto-teach function) or manual product compensation (no fixed setting) for improved adaptation to the intrinsic conductivity of the product to be inspected
- Increased signal-to-noise-ratio towards electromagnetic pollution, vibrations and conveyor belt distortion

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Installation example: Plate type detector ELS with control unit PRIMUS analysing wood off-cuts (old version)

Additional Performance Features:

- Display of system parameters with LCD full-graphic module, operation with membrane keys
- Adjustable metal impulse and delay times
- Product memory for ten products, three of which are preset
- Maintenance free electronic, no readjustment necessary
- Integrated logbook
- Password protection can be set individually

Scope of Delivery

- Plate type detector ELS
- Control Unit PRIMUS+

Options/Accessories:

- Optical and acoustic signal system
- Digital incident counter
- Conveyor stop and turning prevention control
- Control units SENSITY for higher scanning sensitivity
- UL/CSA Certification
- Further options on request

Product Description:

The single-layer, single-face ELS detector is used for examining individually packed products and bulk materials on a conveyor belt or a material chute, preferably with a low material height. It detects all magnetic and non-magnetic metal contaminations (steel, stainless steel, aluminium) – even if enclosed in the product.On detection of metal, a signal device and a separation system can be activated or a signal can be send to process controlling.

Typical Application Areas:

- Plastics industry, In-house recycling
- Recycling industry
- Wood industry
- Chemical industry
- Textile industry
- Building Industry (building-stone-earth industry)

Application:

- Machinery protection for granulators, shredders, hocks, crushers, calenders, and many more

If you need more detailed information ask for our technical data sheet or a discussion with our experienced Sesotec Sales team.