

- Reliably detects metal contaminants in hygiene products, pharmaceuticals or granulates
- Highest accuracy in the detection of magnetic and non-magnetic metal contaminants
- FDA conformity of all parts in contact with the product
- Hygienic design for use in the hygiene, pharmaceutical or food industry
- Intuitive control, auto-calibration and TeachAssistant



- Maximum detection performance with highest reliability in the entire detection area due to 4-quadrant technology
- Simple setup with TeachAssistant
- Memory for up to 250 products
- Easy to use with intuitive and multilingual menus
- 4-level password system, automatic log out after time lapse
- Documentation of all events and metal messages
- IFS and HACCP reports available on the display at the touch of a button
- Optional: Data transfer to USB interface or connection to the company network via SHARKNET® software
- Cyclical function monitoring with Performance Validation System (PVS)

Function:

The METAL SHARK® R offers the highest performance in detecting magnetic and non-magnetic metals. Typical applications are found in the medical-pharmaceutical sector as well as in the sanitary or food industry and for all kinds of chemical powders.

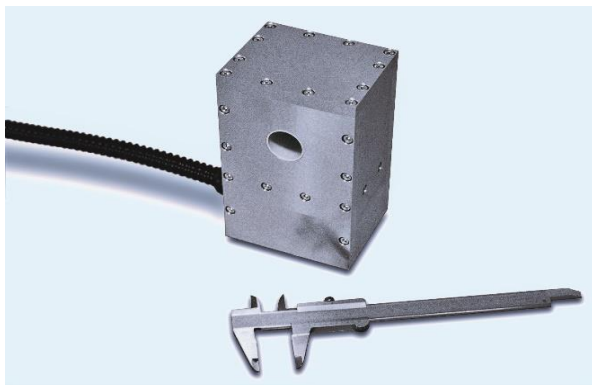
The product falls through the R sensor head and an optional reject unit. With the reject unit the smallest metal objects are promptly ejected from the flow of goods. Metal particles are automatically rejected.

The reject unit is suitable for tube diameter 10 to 50 mm, Reject timing is automatically by metal detector control box. Pneumatically driven.

The hygienic housing is easy to clean, all materials in contact with the product are FDA-approved quality (PTFE and stainless steel).

Delivery Scope:

- Detection unit (sensor) R
- Control unit METAL SHARK® for wall mounting
- Optional: product pipe and rejection unit



Application:

Monitoring of free-falling products, especially

- hygiene products,
- pharmaceuticals,
- high-quality plastic resins, etc.

Industries:

- Pharmacy
- Hygiene
- Food
- Chemistry



Specifications:

METAL SHARK® R is supplied as standard with the current METAL SHARK® control unit.

Product guidance and reject system	FDA-compliant design made of stainless steel and PTFE for all parts in contact with the product, reject unit is suitable for pipe diameters up to 50 mm			
Mounting	Stainless steel plate			
Flow rate	up to 600 l/h (depending on product density and separation time)			
Best sensitivity	Ø Pipe 10 mm FE Ø 0,05 mm NFE 1,5 ... 2x FE Al 1,5 ... 10x FE	Ø Pipe 25 mm FE Ø 0,15 mm	Ø Pipe 35 mm FE Ø 0,25 mm	Ø Pipe 50 mm FE Ø 0,40 mm
Electronics	Digital signal processor, noise filter, digital balance control, digital frequency control, PowerDrive circuit			
Input	8 freely configurable 24 V DC signals, e.g. for encoders, buttons			
Output	2 floating: "error" and "metal" 8 freely configurable 24 V DC signals, e.g. optical/acoustic alarm			
Measuring method	Inductive, multi-channel mode, balanced receiver coils			
Metal detection	Ferrous, non-ferrous (e.g. aluminium or copper) and stainless steel			
Product compensation	250 memory locations, automatic product compensation, with TeachAssistant			
Enclosure rating	IP 54			
Environmental conditions	-10° C to +40° C, (+14° F to +104° F) rel. humidity 30% up to 80% (non-condensing)			
Product temperature	---			
Power supply	Single phase, 110 - 240 VAC, 50/60 Hz, typical power consumption: 20 W (60 W max.)			
Interface	RS232, LAN Option: USB, SHARKNET® for HACCP- und IFS-documentation			
Maintenance	Maintenance-free, sensors calibrate themselves			
Diagnostics	Integrated diagnostic software, automatic self-test			

The CASSEL quality promise:

Every single device is thoroughly tested during and after production. Before leaving the factory it is subjected to a final test (continuous load test) over several days.

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