

- 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.

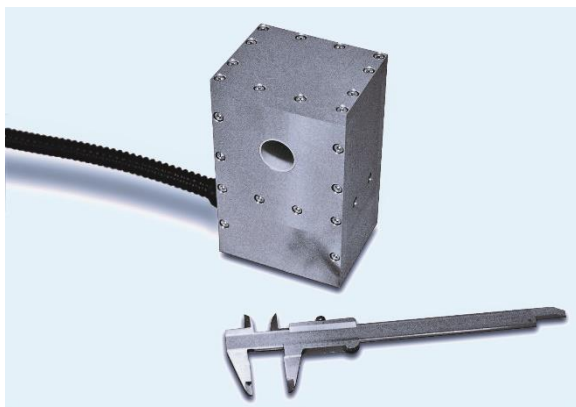
The product falls through the R sensor head and an optional reject unit. With the reject unit the smallest metal objects are promptly ejected from the flow of goods. Metal particles are automatically rejected.

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 | Ø Pipe 25 mm | Ø Pipe 35 mm | Ø Pipe 50 mm |
| | FE Ø 0,05 mm | FE Ø 0,15 mm | FE Ø 0,25 mm | FE Ø 0,40 mm |
| | NFE 1,5 ... 2x FE | | | |
| | Al 1,5 ... 10x FE | | | |
| 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.

Contact us:

CASSEL Messtechnik GmbH
In der Dehne 10
37127 Dransfeld
phone: +49 (0)5502 911 50
fax: +49 (0)5502 911 532
info@cassel-inspection.com

