

CASSEL

Metal Detector SHARK-RG

Ultra-high sensitivity

FE-ball 0,10 mm
(with aperture Ø 25 mm)

Applications:
Sanitary items
Plastic industries
Medical products





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Technical Data

Best Sensitivity *

* depending on product effects and proper installation.

Aperture Ø [mm]	10	25	35	50	70	100
Ferrous ball Ø [mm]	0,08	0,10	0,15	0,25	0,40	0,75
Non-Ferrous	1,5...2x Ferrous ball Ø					
Stainless	1,5...10x Ferrous ball Ø					

Note:

Sensitivity for non-ferrous and stainless depends on object shape, orientation and metal grade.

Conveying speed	2 ... 240 m/min.
Measuring	Dynamic / Balanced pair of inductive coils
Out signals	Metal relay changeover contact (230V/5A) Fault relay changeover contact (230V/5A)
Data Logging	Serial interface RS232C
Power supply	230 V +-10% / 50 Hz (optional other voltages)
Power input	50 watts
Degree of protection	IP54 (control unit) IP54 (sensor head)
Ambient temperature	-10...+50C / 15...120F
Electronics	Digital No maintenance required Self-adjusting of all circuits Refer to data sheet METAL SHARK Control unit
Sensor housing	Aluminium alloy
Required metal free zone	1,5x aperture diameter