

Fact Sheet

INTUITY

BIZERBA

Metal detection coil INTUITY reliably detects enclosed contaminants in your product or bulk goods. INTUITY can be flexibly used in dry or wet areas and achieves best results with its multi-simultaneous frequency technology: It simultaneously checks with at least two frequencies if your packaged or unpackaged product contains steel, stainless steel, iron or non-ferrous metal.



More information
High performance
with a wide range of
solutions and options.

Specifications	Facts	Details
Use	Examination of <ul style="list-style-type: none"> – packaged products – unpackaged products – Bulk goods 	Non-metallic goods on conveyor belt or material slide
Product temperature	-20 °C to +80 °C	
Ambient conditions	-10 °C to +40 °C 25% to 85% rF, non-condensing	
Material	Coil housing Tunnel Electronics housing	Stainless steel 1.4301 / AISI 304, glass beaded finish Polypropylene Stainless steel 1.4301 / AISI 304, glass beaded finish
IP rating	IP65 IP66/69	Complete device At the detection tunnel
Operating voltage	100 - 240 V AC 50 / 60 Hz	±10 %
Fuse	6.3 A, delay-action	
Mains cable	1.8 m, with safety plug	Mounted to I/O unit
Interfaces	USB	With cover cap IP67
Incoming	Processing via INTUITY CONTROL	<ul style="list-style-type: none"> – Light sensor at coil input – Reset – Bypass – External start AuditCheck – Rejection monitoring – Fill level notification – Compressed air monitoring – Conveyor belt control
Outputs	<ul style="list-style-type: none"> – 2 switch outputs 24 V DC for solenoid valves – 2 application specific switch outputs 24 V DC – Switching outputs 24 V DC operation, metal, interference and AuditCheck, e.g. for signal lamps and horn – 2 potential-free relay switch outputs – 1 potential-free relay switch output – 1 output metal counter – 1 output release signal 	<p>Max. current load 500 mA per output</p> <p>Max. 250 V AC/3 A for metal detected</p> <p>Max. 250 V AC/3 A for interference</p>

Self-monitoring	Metal detection coil Outputs	
Options	Facts	Details
Light sensor at coil input	For product detection	
Warning device SK24-R-4+1	– 4 signal lamps and 1 horn, mounted to stand – Cabling and assembly aid	Red: Error Orange: Metal detected Green: Ready for operation Blue: AuditCheck
Warning device SK24-R	– Yellow signal lamp + 1 horn, mounted to stand – Cabling and assembly aid	Error and metal detected
IP66/69 protection	Flip cover for touchscreen	Cleaning with hose water possible

Info graphics



Symbols



IP rating



Stainless steel



Hygienic design