Fact Sheet
VARICON+

BIZERBA

Metal detector VARICON+ reliably and flexibly supports your quality assurance: With its robust design it can be used in dry and wet areas. The VARICON+ achieves best results: It safely checks your packaged or unpackaged piece goods for any contaminants enclosed in the product such as steel, stainless steel and non-ferrous metal, e.g. aluminum.

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

Specifications	Facts	Details
Maximum belt load	20 kg	Up to a belt width of 400 mm
	50 kg	As from a belt width of 500 mm
Use	Examination of	Non-metallic goods
	– packaged products	
	– unpackaged products	
	– Piece goods	
Product temperature	-20 °C to +65 °C	
Ambient conditions	-10 °C to +40 °C	
	25% to 85% rF, non-condensing	
Mechanical design	Conveyor and metal detector	Stainless steel 1.4301 / AISI 304, glass beaded finish
	Open frame construction	Four height adjustable feet and fixing holes entirely made of stainless steel 1.4301/ AISI 304, glass beaded finish
	Drive, guide and tension rollers	Stainless steel 1.4301/AISI 304
	Drum motor thermally monitored	
	TPU conveyor belt	In white FDA quality
	Metal detector	For product centering, +/-20 mm height adjustable: Exchange of mounting rails
Electrical design	VARICON+ GLS	For metal detection set to belt stop by factory
	– Combined control and operating unit for conveyor belt and metal detector	As from a coil height of 100 mm. In case of a lesser height the control and operating unit is remote, 3 m cable
	VARICON+ INTUITY	
	– Separate control and operating unit	
	– Remote control unit for conveyor belt	
	– Open wiring integrated in conveyor belt frame	
	– System ON/OFF switch	
	– Conveyor belt ON/OFF switch	
	– Emergency stop switch	Separate
Display/control unit	LCD monochrome display, optional 7" color touchscreen incl. USB connection	GLS (GENIUS+)
	7" color touchscreen incl. USB connection	INTUITY CONTROL
Mains cable	1.8 m	3-pin CEE connector blue, 1L+N+PE
Operating voltage	230 V AC (±10 %)	single phase
	50 / 60 Hz	
Power consumption	Up to 2.0 A	Up to a belt width of 400 mm
	Up to 4.5 A	As from a belt width of 500 mm

Motor power	120 W	Up to a belt width of 400 mm
	150-370 W	As from a belt width of 500 mm
IP rating	IP65	NEMA 4
Belt speeds	0.2 m/s	Ex factory firmly adjustable from -60% to +30%.
	0.4 m/s	
	0.6 m/s	
	1.0 m/s	
Transport height	900 ±50 mm	

Options	Facts	Details
Higher Level Compliance package	Sensor	Meets the requirements of large retail chains
	– Higher level compliant fail safe system: Warning device, self-monitoring	only available for INTUITY
	– Rejection system with reject bin and cover to be selected separately	
Rejection system	Pusher	for products of up to 5 kg
	Air-jet nozzle	for products of up to 0.5 kg
	respectively with reject bin and protective cover in	
	Size 1	for products up to 250 mm long
	Size 2	for products up to 450 mm long
	requires compressed air of 6-8 bar	Plug NW 7.2
Sensor packages for rejection systems	Compressed air monitoring	respectively in Higher Level Compliance package included
	Rejection monitoring	
	Fill level monitoring for reject bin	
Signal combination	– 4 signal lamps and 1 horn SK-R-4+1 (stand mounting)	Red: Error
		Yellow: Metal detected
	mounted onto stand	Green: Ready for operation
	incl. cabling and assembly aid	Blue: AuditCheck
		Signal horn when error is displayed
	– Yellow signal lamp and horn SK-R (stand mounting)	Error
		Error and metal display
	mounted onto stand	
	incl. cabling and assembly aid	
Conveyor speeds	Variable conveyor speed	adjustable, depending on the product
Light sensor on feeding belt	For product detection	For counting of the products and for calculation of the Overall Equipment Efficiency (OEE)
Remote operating unit	For separate mounting of coil and control, with mounting unit, blind cover and 10 m connecting cable	only available for INTUITY
Voltage transformer	115 V AC (±10 %)	US version
	60 Hz	
	incl. power cable	
Interfaces	Ethernet (TCP/IP)	
	RS232, RS485, WLAN, Profibus	Only available for GLS
Lateral guiding bars	Height: 50 mm	For alignment of products
Mobile conveyor	Four lockable guide rollers	For flexible use of the system

IP rating	IP66/69	GLS: Special coil version
		INTUITY: Tunnel comes standard in IP66/69
Other conveying heights	700, 800, 1,000 ±50 mm	With caster 750, 800, 1,000 ±50 mm

Info graphics

Symbols

| IP65 protection | IP66 protection | IP69 protection | Stainless steel | Hygienic design |