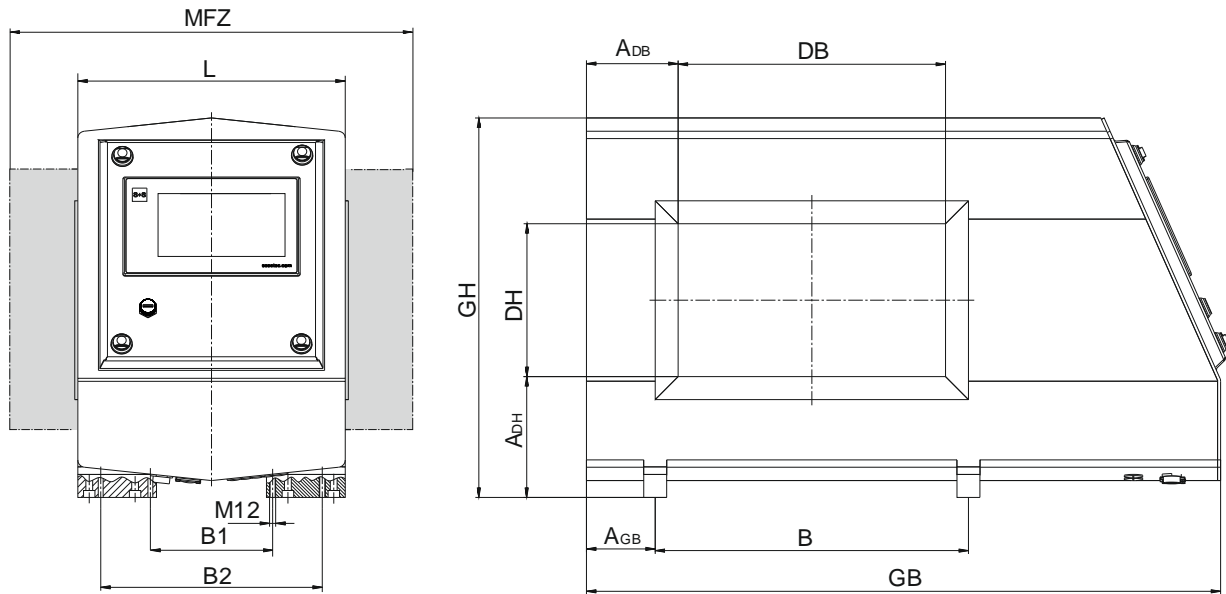


C-SCAN GHF tunnel metal detector

■ Dimensions



DH Opening height
 DB Opening width
 GH Total height
 GB Total width
 L Coil length
 B Fixing width

MFZ Metal free zone
 A_{DH} Frame thickness for DH
 A_{DB} Frame thickness for DB
 B_{1/2} Bore hole distance on the PA insulation mounting bar
 N_{SP} Number of mounting holes M12 by side

■ Technical data

Typenbezeichnung			Detection coil			Frame thickness		Fixing width					Metal free zone		Scanning sensitivity ¹⁾			Weight
GHF	DB	DH	GH	GB	L	A _{DH}	A _{DB}	B	N _{SP}	B1	B2	A _{GB}	MFZ 1 ²⁾	MFZ 2 ³⁾	∅ Fe	∅ V2A	∅ NFe	[kg]
250/150	250	150	444	750	300	158	120	410	2	160	-	40	500	1000	0.6	0.9	0.7	88
350/150	350	150	444	850	300	158	120	410	2	160	-	90	600	1200	0.6	1.0	0.7	98
350/200	350	200	497	850	350	158	120	410	2	160	-	90	650	1300	0.8	1.1	0.8	126
350/250	350	250	549	850	400	158	120	410	2	160	-	90	800	1600	0.8	1.2	1.0	141
350/300	350	300	602	850	450	158	120	410	2	160	-	90	950	1900	1.0	1.5	1.0	168
500/150	500	150	444	1000	300	158	120	660	2	160	-	40	670	1340	0.8	1.0	0.8	118
500/200	500	200	499	1000	400	158	120	660	2	160	-	40	700	1400	1.0	1.2	1.0	145
500/250	500	250	549	1000	400	158	120	660	2	160	-	40	900	1800	1.2	1.5	1.2	170
500/300	500	300	602	1000	450	158	120	660	2	160	-	40	1000	2000	1.2	1.6	1.2	178
500/400	500	400	764	1060	500	188	150	660	4	160	390	70	1060	2120	1.3	1.8	1.5	242
600/150	600	150	444	1100	300	158	120	660	2	160	-	90	700	1400	0.8	1.1	0.8	130
600/250	600	250	552	1100	450	158	120	660	2	160	-	90	1000	2000	1.2	1.5	1.2	185
600/300	600	300	605	1100	500	158	120	660	4	160	390	90	1050	2100	1.2	1.6	1.3	197
600/400	600	400	764	1160	500	188	150	660	4	160	390	120	1150	2300	1.3	1.8	1.5	260
700/150	700	150	444	1200	300	158	120	860	2	160	-	40	730	1460	0.9	1.3	0.9	140
700/300	700	300	605	1200	500	158	120	860	4	160	390	40	1100	2200	1.2	1.6	1.5	220

All dimensions in mm

¹⁾ The stated detection sensitivities (ball ∅ in mm) apply to nonconductive products at the highest operation frequency and refers to the centre of the detection aperture (most disadvantageous position). Products that show intrinsic conductivity due to moisture content, electrolytes or other conductive contents may reduce the sensitivity as well as variations of product temperature, environmental effects (mechanical shocks and vibrations, electromagnetic interferences) or the set product angle. The detectable size of metal particles depends on their nature, shape and position while passing the metal detector. If the conveying speed is smaller than 0.1 m/sec or higher than 2.1 m/sec please contact our sales and service team.

²⁾ MFZ1 Metal free zone (static metal)

³⁾ MFZ 2 Metal free zone (active metal)

C-SCAN GHF tunnel metal detector

■ Conditions of use

- Use:** Inspection of bulk and piece materials on a belt conveyor or material chute (see data sheet installation instructions for tunnel metal detectors)
- Product characteristics:** Possible to compensate existing product effect
- Product temperature:** -20° C to +80° C
- Ambient conditions:** -10° C to +40° C, 25% to 85% rH, no condensation
- Storage and shipping conditions:** -10° C to +50° C, 25% to 85% rH, no condensation

■ Standard design

- Scope of delivery:** Hygienically designed, closed detection coil with integrated Control Unit GENIUS+ Touch
- Coil housing:** Stainless steel 1.4301 (AISI 304), glass bead blasted; tunnel surface made of polystyrene (PS)
- Control enclosure:** Stainless steel 1.4301 (AISI 304), glass bead blasted
- Type of protection:** IP 65
- Operating voltage:** 100-240 VAC (±10%), 50/60 Hz
- Current input:** Approx. 250 mA/115 VAC, approx. 120 mA/230 VAC
- Fuse:** 1.6 A, slow-blowing
- Mains cable:** 1.8 m with safety plug
- Interface:** USB connector with protection cap (IP67)
- Switch inputs:** for sensor barrier product monitoring, "Reset", "Bypass", „external start AuditCheck“, ejection monitoring, fill level indicator, air pressure monitoring, conveyor belt control and initiators for distance measuring
- Switch outputs:** 2 switch outputs 24V DC for magnetic valves and 2 additional switch outputs 24V DC, max. total current load 500mA
Switch outputs 24DC "Operation", "Metal", "Fault" and "Audit check" e.g. for signal lamp and alarm horn
2 potential-free relay switch outputs (max. 250 VAC/3A) for "Metal"
1 potential-free relay switch output (max. 250 VAC/3A) for "Fault"
- Self-monitoring:** Detection coil and outputs

■ General Options / Accessories

- Visual alarm
 - Failure indication
 - Failure and metal indication
 - Blue signal light for "AuditCheck"
- Audible alarm
 - Failure indication
 - Failure and metal indication
- Combination alarm (visual alarm and audible alarm)
 - Failure indication
 - Failure and metal indication
- Test samples
- US power cable

■ Options / Accessories control unit GENIUS+ Touch

- Serial interface RS232 with plug (IP65, 4-pole)
- Serial interface RS485 with plug (IP65, 4-pole)
- Ethernet interface (TCP/IP 100 Mbit/s, IP65, RJ45)
- WLAN interface (802.11 b/g) with integrated aerial
- Central data management system
 - Software InsightLog.NET (logbook backup)
 - Software Insight.NET (visualization, data saving and remote maintenance)

■ Special versions

- Detector head cooling for product temperatures above +80° C
- IP 66/69K protection class
- Surface satin stainless steel instead of glass bead blasted
- Housing stainless steel 1.4571 (AISI 316Ti)
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