



METAL SHARK® 2 vs SHARK® 1



METAL SHARK® 2



METAL SHARK® 1



CASSEL

METAL SHARK® 2 vs SHARK® 1

Model	Common Metal Detector	METAL SHARK® 1	METAL SHARK® 2
Technology	• some with one-channel-analysis (bad VA detection), others with two-channel-analysis • single-, dual- and four-Frequency	• two-channel-analysis for good NFE and VA detection • single-, dual- and four-Frequency	• Four-Quadrant-Technology for highest performance at best stability • single-, dual- and four-Frequency • optimizing functions • integrated reporting • 2 analogue inputs, 0 - 10 V, with which one can set or adjust automatically the product speed or the performance (better protection against interference, less product rejection)
Sensitivity	• Normal user gets 50 - 70% of MDs max performance* after normal teaching and without expert optimization	• normal user gets 70 - 80% of MDs max performance* after normal teaching and without expert optimization	• normal user gets 90% of MDs max performance* after normal teaching and without expert optimization

METAL SHARK® 2 vs SHARK® 1

Model	Common Metal Detector	METAL SHARK® 1	METAL SHARK® 2
Teach Function	• automatic teach • only "fast mode" • needs 4 to 8 product samples to teach product	• automatic teach • only "precise mode" • needs 8 to 14 product samples to teach product	• automatic teach • User can select between quick (3 to 7 samples) and precise mode (8 to 14 samples)
Interference	• depends on brand	• high level of protection • strong digital filters • integrated power line filters	• highest level of protection • improved digital filters • all inputs equipped with opto couplers • integrated power line filters • strong digital filters

METAL SHARK® 2 vs SHARK® 1

Model	Common Metal Detector	METAL SHARK® 1	METAL SHARK® 2
Degree of Automation	needs external PLC in order to be integrated into conveyor	- small PLC integrated 4x 24V programmable inputs 4x 24V programmable outputs	- strong PLC integrated 8x 24V programmable inputs, including fast timer function 8x 24V programmable outputs
Display	alphanumeric LCD	alphanumeric LCD with 2x20 characters	5,4 inch illuminated colour screen with separate graphic processor
Language	various, depending on brand	limited to latin characters only	global languages available
Documentation of Operation Data	- digital interface as option - event memory as option	- integrated serial interface - integrated memory for 50 events - ready for SHARKNET® data logging software	- integrated serial interface - LAN and WLAN as option - integrated memory for 1000 events - ready for enhanced data logging software SHARKNET® 2

METAL SHARK[®] 2 – Main advantage

Maximum Performance, Highest Reliability

Four-Quadrant-Technology

A metal detector's main purpose is to find preferably small metal pieces in preferably every product. With the Four-Quadrant-Technology the METAL SHARK[®] 2 precisely specifies the signal of the product and thus is able to adjust the metal detector to the product like a tailor a man to his suit. This way it detects smallest metal pieces even in difficult products like fish, meat and cheese.

