

M5 Series Metal Detector





Simplified Operation

Easily navigated one-touch operation for frequently used functions.
Built-in support features improve productivity and accuracy.

Minimize False Rejects



Built-in troubleshooting screens determine the cause of false rejects and provide suggestions to ensure repeatable, stable system performance.

Improved Troubleshooting and Help Screens



Accurate illustrated Help messages minimize production line downtime by reducing the need for outside service support.

Industry Leading Design



Precision engineered head design provides improved stability that eliminates errors caused by external sources, such as floor vibration or electronic "noise" from machinery located in close proximity.



Hygienic design features include an open frame construction that prevents build up and facilitates fast and easy clean-up and sanitation.
Available in IP30 and IP66 models



Anritsu Proprietary Next Generation, High Sensitivity Technology

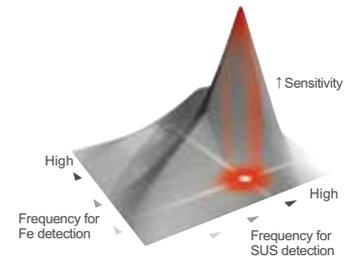
Industry Leading Dual Wave Processing

- Increased temperature stability
- Reduced false rejects caused by exterior sources
- Improved self-diagnostic abilities



Anritsu's unique dual-frequency system.

Anritsu's proprietary dual-frequency design determines the optimal settings to maximize sensitivity for both ferrous and non-ferrous metals, while helping to reduce false rejects.



Operator Friendly Tutorials for Product Registration and Smart Guide

Product Registration Navigation

Simplified, illustrated parameter setting procedures with step-by-step instructions



Smart Guide

Supports daily operations and maintenance procedures through clear, concise messaging.



Full system or detector head only options available.

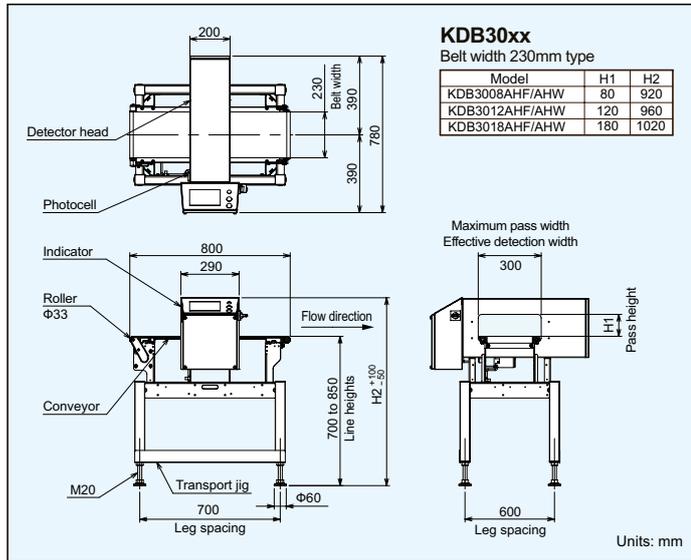
Contact your local Anritsu Industrial Solutions Representative for details



Test piece

Test pieces of Fe sphere, SUS304 sphere, SUS wire and non-ferrous metal sphere in varied sizes are available.

External Dimensions



Specifications

Type	KDB30xx Belt width 230mm type		
Model	KDB3008AHF/KDB3008AHW	KDB3012AHF/KDB3012AHW	KDB3018AHF/KDB3018AHW
Pass height	80 mm	120 mm	180 mm
Maximum pass width	300 mm		
Maximum detection sensitivity ¹	Fe Φ 0.4 mm	Φ 0.45 mm	Φ 0.55 mm
	SUS304 Φ 0.7 mm	Φ 0.85 mm	Φ 0.95 mm
Belt width	230 mm		
Display	7-inch color TFT LCD		
Operation method	Touch panel (Start, Stop, and Home are direct push buttons)		
Preset memory	Maximum 200		
Product packaging	Both general and aluminum-evaporated-packaging products		
Detection method	Simultaneous 2-frequency magnetization detection method		
Belt speed	25 m/min (50 Hz), 30 m/min (60 Hz)		
Maximum product weight ²	3kg (Can support up to 10 kg as an option)		
Metal detection	Rejection signal output and beep, or belt stop and beep		
Power supply ^{3,4}	100 Vac, single phase 50/60 Hz, or 110/115/120 Vac, single phase 60 Hz, or 200 Vac, single phase 50/60 Hz, or 220/230 Vac, single phase 50/60 Hz, or 240 Vac, single phase 50 Hz		
Power consumption	160 VA, rush current 50 A (typ.) (20 ms or less)		
Mass	76 kg	79 kg	82 kg
Environmental conditions	0° to 40°C, relative humidity 30% to 85%, non-condensing		
Protection class	AHF type: IP30 compliance / AHW type: IP66 compliance		
Exterior	Indicator and detector head: stainless steel (SUS304) Conveyor frame and stand AHF type: metal (coating) / AHW type: stainless steel (SUS304)		
Data output	USB port (USB2.0), Ethernet interface (10BASE-T, 100BASE-TX)		

1: Detection sensitivity for actual use may vary depending the type of contaminants, the physical property of product (temperature of goods, content, and shape).

2: Sum total of product weight on the conveyor.

3: Specify one of these power supplies for use when ordering.

4: Please use the rated voltage for the power supply voltage.

A rise of a temperature in the motor may occur when the variation width of the power supply voltage is large.
Conveyor torque may deteriorate when the power supply voltage is low.

Note: The shape (length, width, and height) of products to be inspected varies with the rejector type.

Note: The noise level of the metal detectors does not exceed 70 dB (A).

Anritsu

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ISO 9001 CERTIFICATE No.JQA-0566
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* Some products shown in this catalog may not be available in your country or region. Contact our sales representatives for details.

* To ensure proper operation, read the Operation Manual before using the machine.

* In addition to daily inspection, an annual maintenance check should be carried out.

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