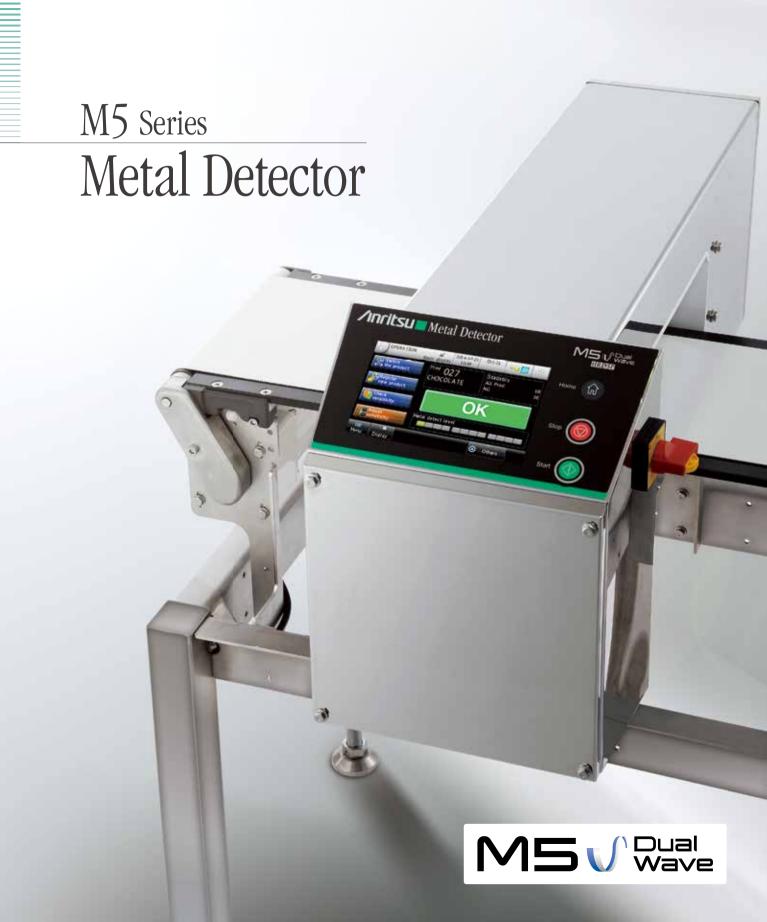
June 2016







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

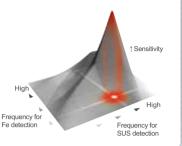
Industry Leading Dual Wave Processing

- 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.

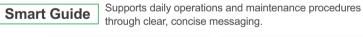




Operator Friendly Tutorials for Product Registration and Smart Guide

Product Registration Navigation | Simplified, illustrated parameter setting procedures with step-by-step instructions









Full system or detector head only options available.

Contact our sales representatives for details.



Test piece

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

Entry Model

Maximum pass width: 300 mm

Vertically long aperture

KDB3005AHF/AHW

Pass height: 50 mm

KDB3008AHF/AHW

Pass height: 80 mm

KDB3012AHF/AHW

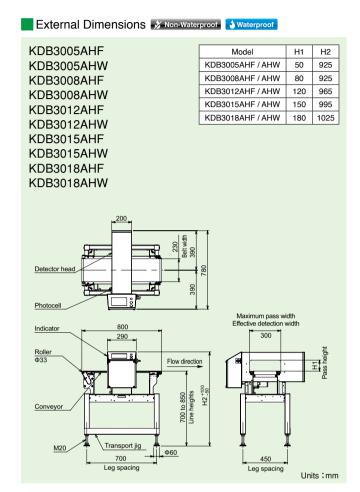
Pass height: 120 mm

KDB3015AHF/AHW

Pass height: 150 mm

KDB3018AHF/AHW

Pass height: 180 mm



Model	★ Non-Waterproof	KDB3005AHF	KDB3008AHF	KDB3012AHF	KDB3015AHF	KDB3018AHF			
	♦ Waterproof	KDB3005AHW	KDB3008AHW	KDB3012AHW	KDB3015AHW	KDB3018AHW			
Pass height		50 mm	80 mm	120 mm	150 mm	180 mm			
Maximum pass width		300 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 packa	ging	Both general and aluminum-evaporated-packaging products							
Detection method		Simultaneous 2-frequency magnetization detection method							
Belt speed 1		25 m/min (50 Hz), 30 m/min (60 Hz)							
Maximum product weight ²		15 kg							
Metal detection Rejection signal output and beep, or belt stop and beep									
Power supply	3, 4	100 Vac, single phase 50/60 Hz; 110/115/120 Vac, single phase 60 Hz; 200 Vac, single phase 50/60 Hz; 220/230 Vac, single phase 50/60 Hz; or 240 Vac, single phase 50 Hz							
Power consun	er consumption 160 VA, rush current 50 A (typ.) (20 ms or less)								
Mass		77 kg	76 kg	79 kg	81 kg	82 kg			
Environmenta	conditions	0 to 40°C, relative humidity 30 to 85%, non-condensing							
Protection class	SS	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 as an option (USB2.0), Ethernet interface as an option (10BASE-T, 100BASE-TX)							

^{1:} Belt speeds other than those listed above are available as options. Contact our sales representatives for details.

^{2.} Sum total of product weight on the conveyor. Feed capacity may vary according to the belt speed.

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 ve Note: The noise level of the metal detectors does not exceed 70 dB (A). cted varies with the rejector type

Entry Model

Maximum pass width: 450 mm

KDB4505AHF / AHW

Pass height: 50 mm

KDB4510AHF / AHW

Pass height: 100 mm

KDB4513AHF / AHW

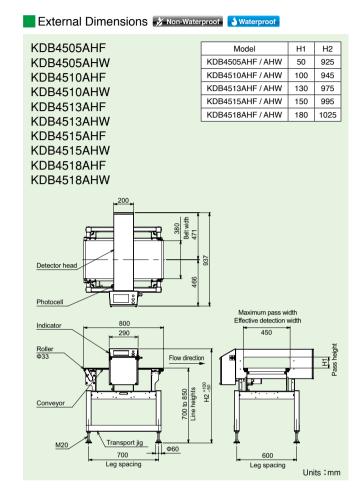
Pass height: 130 mm

KDB4515AHF / AHW

Pass height: 150 mm

KDB4518AHF / AHW

Pass height: 180 mm



Model	✗ Non-Waterproof	KDB4505AHF	KDB4510AHF	KDB4513AHF	KDB4515AHF	KDB4518AHF			
	♦ Waterproof	KDB4505AHW	KDB4510AHW	KDB4513AHW	KDB4515AHW	KDB4518AHW			
Pass height		50 mm	100 mm	130 mm	150 mm	180 mm			
Maximum pass width		450 mm							
Belt width		380 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 1		25 m/min (50 Hz), 30 m/min (60 Hz)							
Maximum product weight 2		15 kg							
Metal detection		Rejection signal output and beep, or belt stop and beep							
Power supply	ower supply 3,4 100 Vac, single phase 50/60 Hz; 110/115/120 Vac, single phase 60 Hz; 200 Vac, single phase 50/60 Hz; 220/230 Vac, single phase 50/60 Hz; or 240 Vac, single phase 50 Hz								
Power consum	Power consumption 160 VA, rush current 50 A (typ.) (20 ms or less)								
Mass		85 kg	86 kg	87 kg	89 kg	90 kg			
Environmental	conditions	0 to 40°C, relative humidity 30 to 85%, non-condensing							
Protection class	SS	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 as an option (USB2.0), Ethernet interface as an option (10BASE-T, 100BASE-TX)							

^{1:} Belt speeds other than those listed above are available as options. Contact our sales representatives for details.

^{2.} Sum total of product weight on the conveyor. Feed capacity may vary according to the belt speed.

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 ve Note: The noise level of the metal detectors does not exceed 70 dB (A). cted varies with the rejector type

For tall products

Vertically long aperture

Pass height: 280 mm

KDB3005AHFT/AHWT

Maximum pass width: 70 mm

KDB3008AHFT/AHWT

Maximum pass width: 100 mm

KDB3012AHFT/AHWT

Maximum pass width: 140 mm

KDB3015AHFT/AHWT

Maximum pass width: 170 mm

KDB3018AHFT/AHWT

Maximum pass width: 200 mm

KDB3005AHFT Model W2 W3 KDB3005AHWT KDB3005AHFT / AHWT 70 50 336 KDB3008AHET / AHWT 80 351 100 KDB3012AHFT / AHWT 140 120 371 KDB3015AHFT / AHWT 386

KDB3018AHFT / AHWT

200 180 401 651

W4

586

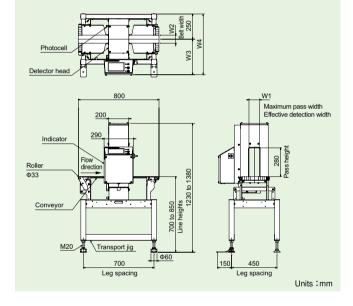
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636

External Dimensions *\structure Non-Waterproof *\sqrt{\text{Waterproof}} \text{Waterproof}

KDB3008AHFT KDB3008AHWT KDB3012AHFT KDB3012AHWT KDB3015AHFT KDB3015AHWT KDB3018AHFT KDB3018AHWT



Model	★ Non-Waterproof	KDB3005AHFT	KDB3008AHFT	KDB3012AHFT	KDB3015AHFT	KDB3018AHFT		
	♦ Waterproof	KDB3005AHWT	KDB3008AHWT	KDB3012AHWT	KDB3015AHWT	KDB3018AHWT		
Pass height		280 mm						
Maximum pass width		70 mm	100 mm	140 mm	170 mm	200 mm		
Belt width		50 mm	80 mm	120 mm	150 mm	180 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 1		25 m/min (50 Hz), 30 m/min (60 Hz)						
Maximum product weight 2		15 kg						
Metal detection		Rejection signal output and beep, or belt stop and beep						
Power supply	wer supply 3,4 100 Vac, single phase 50/60 Hz; 110/115/120 Vac, single phase 60 Hz; 200 Vac, single phase 50/60 Hz; 220/230 Vac, single phase 50/60 Hz; or 240 Vac, single phase 50 Hz							
Power consum	ower consumption 160 VA, rush current 50 A (typ.) (20 ms or less)							
Mass		84 kg	83 kg	86 kg	88 kg	89 kg		
Environmental	conditions	0 to 40°C, relative humidity 30 to 85%, non-condensing						
Protection class	ss	AHFT type: IP30 compliance / AHWT type: IP66 compliance						
Exterior		Indicator and detector head: stainless steel (SUS304) Conveyor frame and stand AHFT type: metal (coating) / AHWT type: stainless steel (SUS304)						
Data output		USB port as an option (U	SB port as an option (USB2.0), Ethernet interface as an option (10BASE-T, 100BASE-TX)					

- 1: Belt speeds other than those listed above are available as options. Contact our sales representatives for details.
- 2. Sum total of product weight on the conveyor. Feed capacity may vary according to the belt speed.

 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 ve Note: The noise level of the metal detectors does not exceed 70 dB (A). cted varies with the rejector type

For tall products

Vertically long aperture

Pass height: 430 mm

KDB4510AHFT/AHWT

Maximum pass width: 120 mm

KDB4513AHFT/AHWT

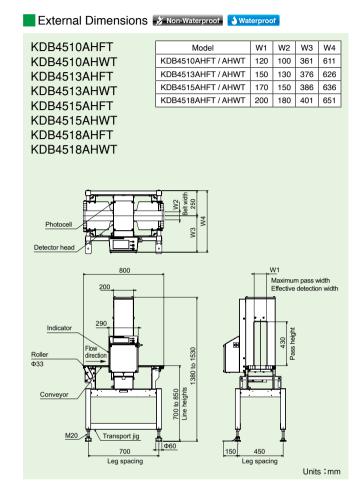
Maximum pass width: 150 mm

KDB4515AHFT/AHWT

Maximum pass width: 170 mm

KDB4518AHFT/AHWT

Maximum pass width: 200 mm



Model	✓ Non-Waterproof	KDB4510AHFT	KDB4513AHFT	KDB4515AHFT	KDB4518AHFT			
	♦ Waterproof	KDB4510AHWT	KDB4513AHWT	KDB4515AHWT	KDB4518AHWT			
Pass height		430 mm						
Maximum pass width		120 mm	150 mm	170 mm	200 mm			
Belt width		100 mm	130 mm	150 mm	180 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 1		25 m/min (50 Hz), 30 m/min (60 Hz)						
Maximum product weight 2		15 kg						
Metal detection		Rejection signal output and beep, or belt stop and beep						
Power supply	Power supply 3,4 100 Vac, single phase 50/60 Hz; 110/115/120 Vac, single phase 60 Hz; 200 Vac, single phase 50/60 Hz; 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		94 kg	95 kg	97 kg	98 kg			
Environmental	conditions	0 to 40°C, relative humidity 30 to 85%, non-condensing						
Protection class	SS	AHFT type: IP30 compliance / AHWT type: IP66 compliance						
Exterior		Indicator and detector head: stainless steel (SUS304) Conveyor frame and stand AHFT type: metal (coating) / AHWT type: stainless steel (SUS304)						
Data output		USB port as an option (USB2.0), Ethernet interface as an option (10BASE-T, 100BASE-TX)						

^{1:} Belt speeds other than those listed above are available as options. Contact our sales representatives for details.

^{2.} Sum total of product weight on the conveyor. Feed capacity may vary according to the belt speed.

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 INFIVIS INC. http://www.detectionperfection.com

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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, a full maintenance inspection should be completed annually.

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ISO 9001 CERTIFICATE No.JQA-0316

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