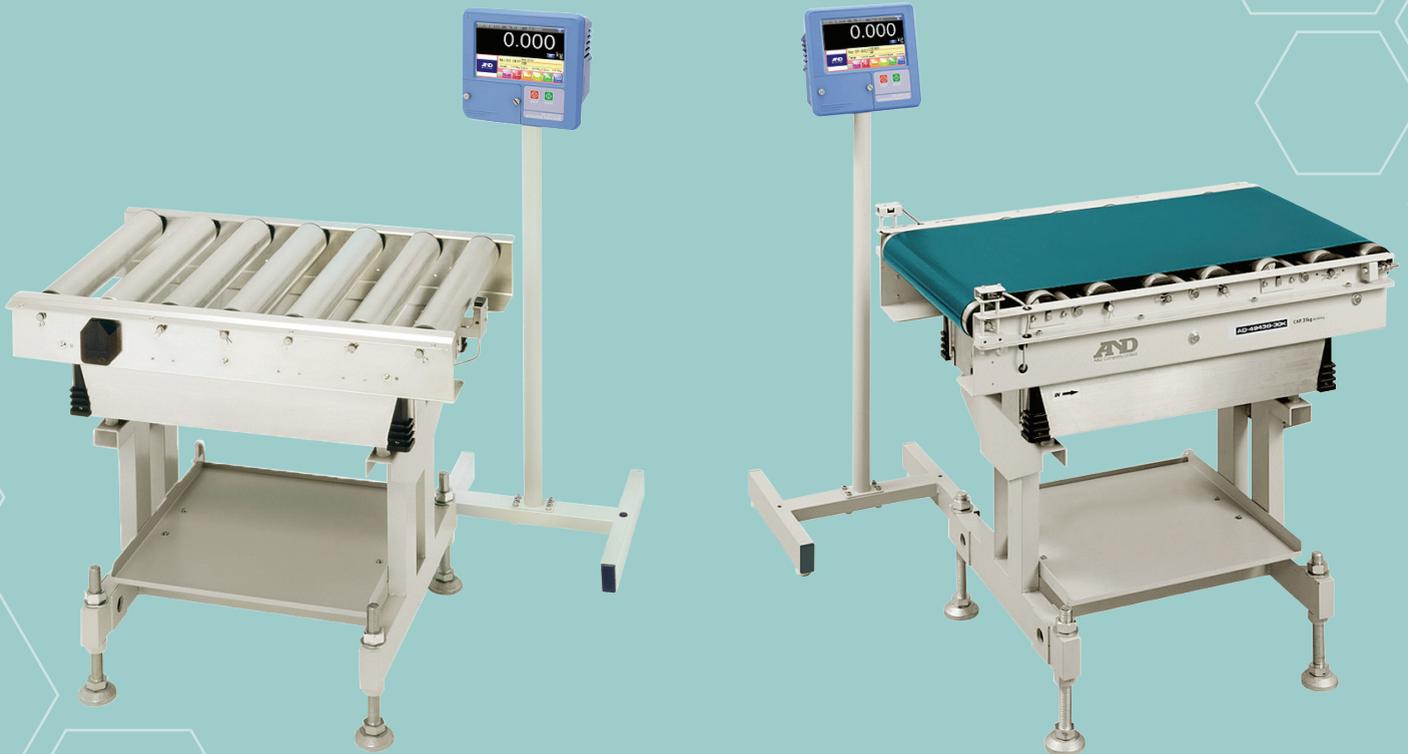


Heavy Duty Checkweigher

AD-4942B, AD-4943B Series



AND
A&D Inspection

For Checkweighing of heavy items...

Checkweighing is becoming more and more in demand as part of processing lines at production plants, logistics centers, etc., for the purpose of quality control and checking for missing products. In order to respond to those demands, A&D offer AD-4942B and AD-4943B series as our answer.

AD-4942B
Roller conveyor type



AD-4943B
Belt conveyor type

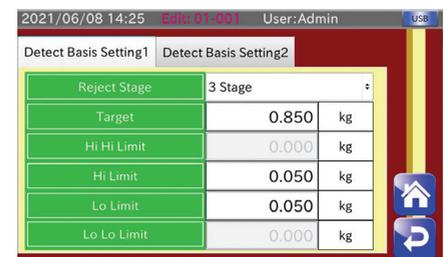
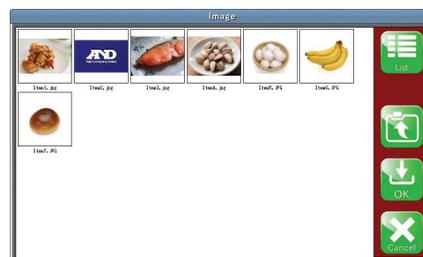


Both models in the photos above have already been fitted with the optional parts (the Conveyor Stand, Indicator Stand, and Attachment Kit for Stand) and differ in appearance when compared to the main unit by itself.

Easy Operation

7" color touchscreen

Intuitive user interface and high visibility LCD color touchscreen with high-speed CPU enable easier operation.



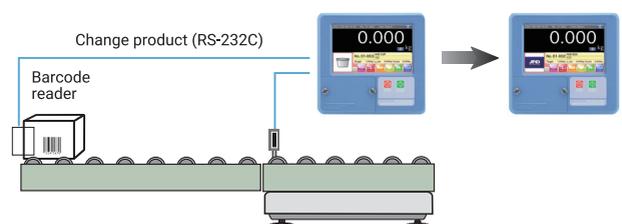
Product registration using images imported from USB flash drive

Product images can be quickly registered to the Checkweigher as a thumbnail image from a USB flash drive. This makes product identification when selecting a product faster and simpler. Up to 1,000 products can be registered and categorized into 10 different groups (up to 100 products per group).



Connectable to barcode reader in a processing line

AD-4942B/AD-4943B can be connected to a barcode reader (*) in the same processing line. By reading the barcode on a product, the product settings are automatically switched to those of the scanned product.



*Barcode reader shall be prepared by the customer.

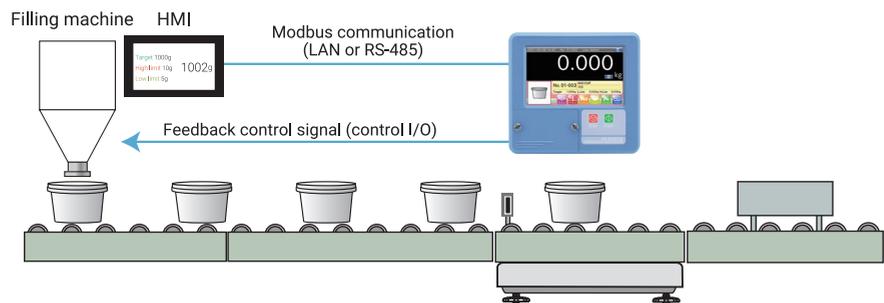
Various Applications

Final inspection

Checkweigher can be used to check for extra/missing items in a product. Many logistics centers and production plants for food, cosmetics, machine parts industry, etc., adopt a checkweigher in their final inspection phase.

Feedback control

Weighing results can be fed back to another system such as a filling machine upstream in the production line.

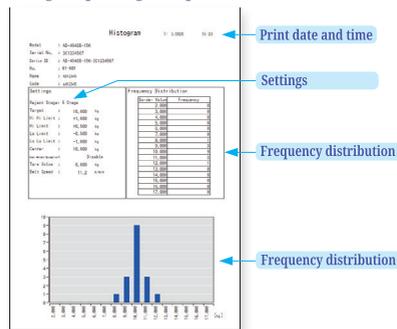


Easy Data Management & Connectivity

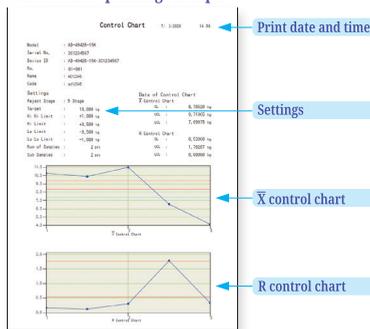
Data management

AD-4942B/AD-4943B series can automatically record Weighing History and Operational History. The data can be displayed on the touchscreen and also be output as CSV files. A summary of the weighing data can be output as a PDF file.

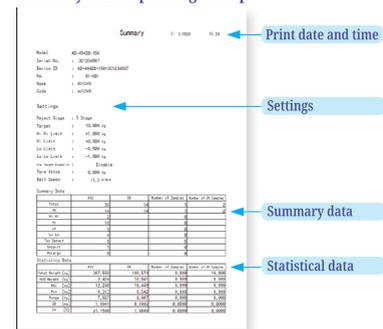
Histogram printing example



Control chart printing example



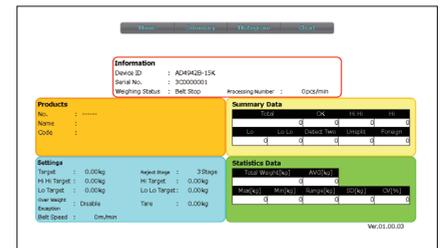
Summary results printing example



Wireless LAN

Weighing data can be checked on tablets, smartphones, laptops, etc., via Wireless LAN.

- * Wireless LAN can be used depending on the regulations in your region.
- * Wireless LAN receiving sensitivity depends on the radio wave environment. Caution is required when performing continuous monitoring.

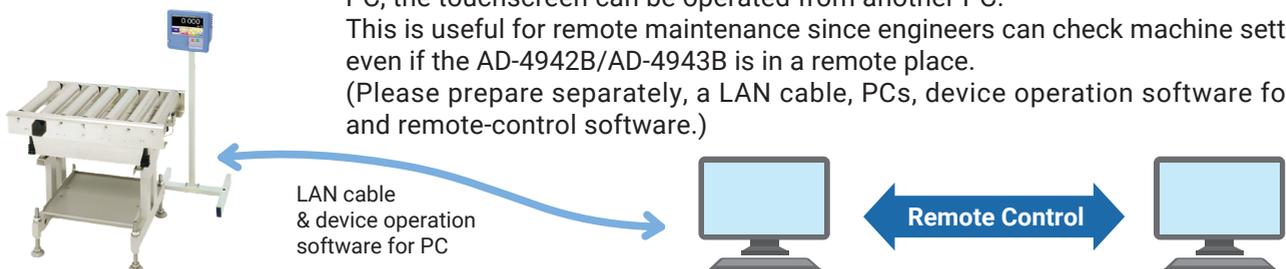


Remote maintenance

Touchscreen can be operated from a PC via a LAN cable connection using device operation software for PC. By utilizing remote control software to control another PC, the touchscreen can be operated from another PC.

This is useful for remote maintenance since engineers can check machine settings even if the AD-4942B/AD-4943B is in a remote place.

(Please prepare separately, a LAN cable, PCs, device operation software for PC and remote-control software.)



Specifications

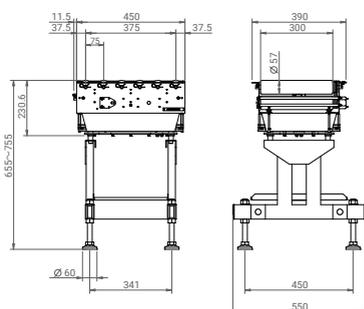
Model	AD-4942B-15K		AD-4942B-30K		AD-4943B-30K		
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	
Electric frequency	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	
Capacity	15 kg		31 kg		30 kg		
Accuracy	±10 g		±20 g		±20 g		
Readability	2 g		5 g		5 g		
Conveyor speed	11.2 m/min	13.4 m/min	14.5 m/min	17.4 m/min	18.9 m/min	22.6 m/min	
Throughput	18 pcs/min	22 pcs/min	16 pcs/min	19 pcs/min	18 pcs/min	22 pcs/min	
Max. size of the weighed product	Length	300 mm	280 mm	500 mm	480 mm	500 mm	
	Width	350 mm	350 mm	450 mm	450 mm	350 mm	
	Height	300 mm	300 mm	500 mm	500 mm	500 mm	
Conveyor	Roller conveyor		Roller conveyor		Belt conveyor		
Power	Drive roller*	AC 200 V, ±10 % (3 Phases, 0.5 A)		AC 200 V, ±10 % (3 Phases, 0.6 A)		AC 200 V ± 10 % (3 Phases, 0.5 A)	
	Indicator	AC 100-240 V (+10 %, -15 %, Approx. 30VA)		AC 100-240V (+10 %, -15 %, Approx. 30VA)		AC 100-240V (+10 %, -15 %, Approx. 30VA)	

* Please prepare inverter or transformer where the voltage is other than 200 V.

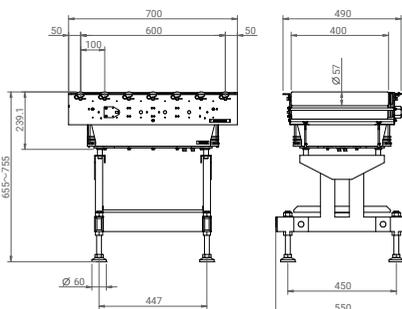
Options	
AD-4942-07	Conveyor stand for AD-4942B-15K
AD-4942-08	Conveyor stand for AD-4942B-30K/AD-4943B-30K
AD-4412-02 *	Relay with 9 output points AC 250 V, 3A or DC 30 V, 3A
AD-4412-05 *	Parallel I/O DI 16 points / DO 16 points (NPN open collector DC40V 50mA)
AD-4412-07 *	Analog output 1 ch 4-20 mA or 0-10 V
AD-4412-17 *	Additional analog output module 4-20 mA or 0-10 V (Maximum 4ch by adding 3 pcs of AD-4412-17)
AD-4402-25	Indicator stand
AD-4412-11	Attachment kit for stand (Required when AD-4402-25 is selected)
AD-4412-10	Panel mount kit

* These optional parts can only be added at the factory when the equipment is first assembled. They cannot be added after the equipment has been shipped from the factory.

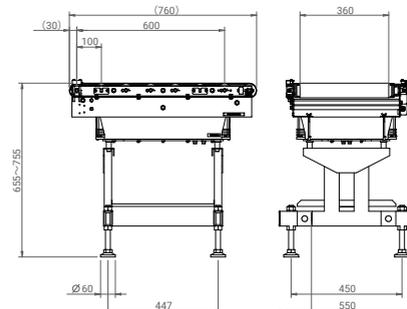
AD-4942B-15K + AD-4942-07



AD-4942B-30K + AD-4942-08



AD-4943B-30K + AD-4942-08



Discover Precision

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