



DACS WN Series

A Broad Range
of Checkweighers



DACS-WN-003

Feel our State-of-the-Art Technology for Superior Precision and High Performance



DACS-WN-003 with air-jet rejector

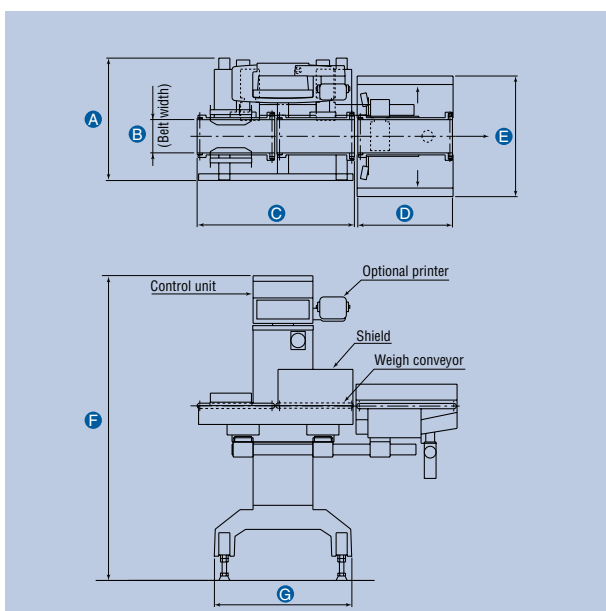


DACS-WN-012 with arm rejector

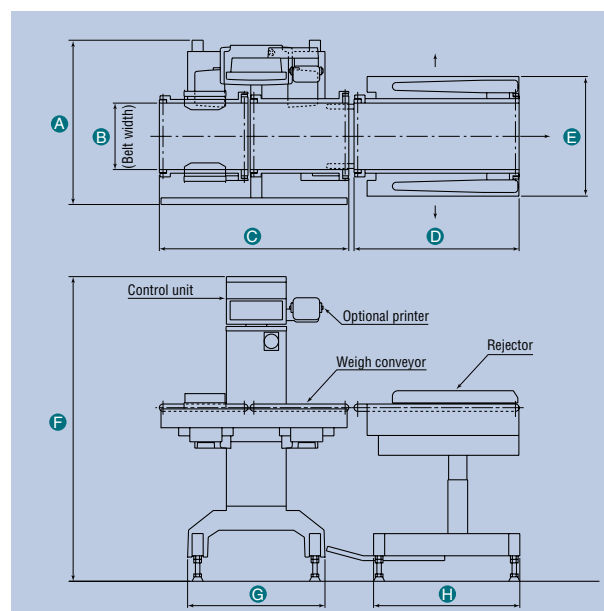


DACS-WN-050 with arm rejector

DACS-WN-003/012 + Air-jet Rejector



DACS-WN-003/012 + Arm Rejector



Specifications

Model		DACS-WN-003-SB/PB(WP)		DACS-WN-012-SB/PB(WP)		DACS-WN-030-SB/PB(WP)	
Weighing capacity		300 g		1200 g		3000 g	
Weighing range		3 ~ 300 g		10 ~ 1200 g		30 ~ 3000 g	
Weighing accuracy*		±0.2 g (±0.7 g)		±0.2 g (±0.7 g)		±1.0 g (±2.0 g)	
Minimum graduation		0.1 g		0.1 g		0.5 g	
Weigh sensor		Double-beam load cells		Double-beam load cells		Double-beam load cells	
Weighing speed*		250 times/min. (max.)	330 times/min. (max.)	210 times/min. (max.)	270 times/min. (max.)	170 times/min. (max.)	210 times/min. (max.)
Weigh conveyor dimensions (mm)		450(L) x 165(W) (445(L) x 160(W))	350(L) x 165(W) (345(L) x 160(W))	450(L) x 245(W) (445(L) x 230(W))	350(L) x 245(W) (345(L) x 230(W))	545(L) x 330(W) (540(L) x 310(W))	445(L) x 330(W) (440(L) x 310(W))
Product dimensions Length (mm)	Length	60 ~ 410 (80 ~ 410)	60 ~ 310 (80 ~ 310)	60 ~ 420 (80 ~ 410)	60 ~ 320 (80 ~ 310)	80 ~ 500 (110 ~ 490)	80 ~ 400 (110 ~ 390)
	Width	30 ~ 150		30 ~ 220		30 ~ 300	
	Height	10 ~ 130		10 ~ 130		10 ~ 300	
Belt speed		18 ~ 116 m/min. (18 ~ 117 m/min.)		15 ~ 95 m/min. (15 ~ 96 m/min.)		15 ~ 96 m/min. (15 ~ 94 m/min.)	
Zero adjustment		During operation: Continuous automatic dynamic compensation** During standby: Manual compensation by touch key		During operation: Continuous automatic dynamic compensation** During standby: Manual compensation by touch key		During operation: Continuous automatic dynamic compensation** During standby: Manual compensation by touch key	
Preset		Max. 100 items		Max. 100 items		Max. 100 items	
Construction		IP-30 (IP-65)		IP-30 (IP-65)		IP-30 (IP-65)	
AFV		Standard		Standard		Standard	
Main body weight		Approx. 65 kg		Approx. 65 kg		Approx. 80 kg	
Power supply		Single phase AC100 V~240 V, 50/60 Hz		Single phase AC100 V~240 V, 50/60 Hz		Single phase AC100 V~240 V, 50/60 Hz	
Dimensions (mm)		003(Air-jet)	003(Arm)	012(Air-jet)	012(Arm)	030 (Arm)	
		A 580 E 550 (540)	A 580 E 400 (380)	A 580 E 620 (610)	A 580 E 405 (405)	A 740 (800)	E 540 (515)
		B 150 F 1405 ± 50	B 150 F 1405 ± 50	B 220 F 1405 ± 50	B 220 F 1405 ± 50	B 300	F 1405 ± 50
		C 710 (705) G 620	C 710 (705) G 620	C 810 (805) E 620	C 810 (805) G 620	C 855 (995)	G 620
	D 450 (445)	D 450 (445) H 410	D 450 (445)	D 550 (545) H 410	D 745 (740)	H 660	

*Depends on the product shape, installation environment and other conditions. **Depends on weighing speed.

*** The DACS-WN-500 of belt speed 10-40m/min. can be supplied in case the product weight is 30 kg or less.

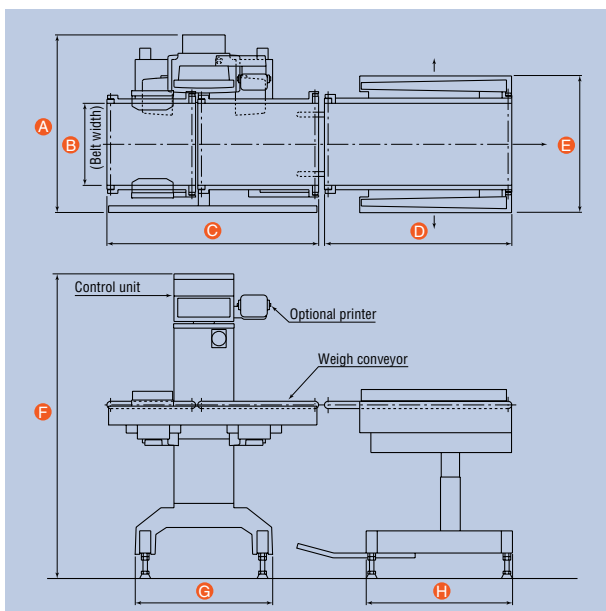


DACS-WN-180/300/500 with push-plate rejector

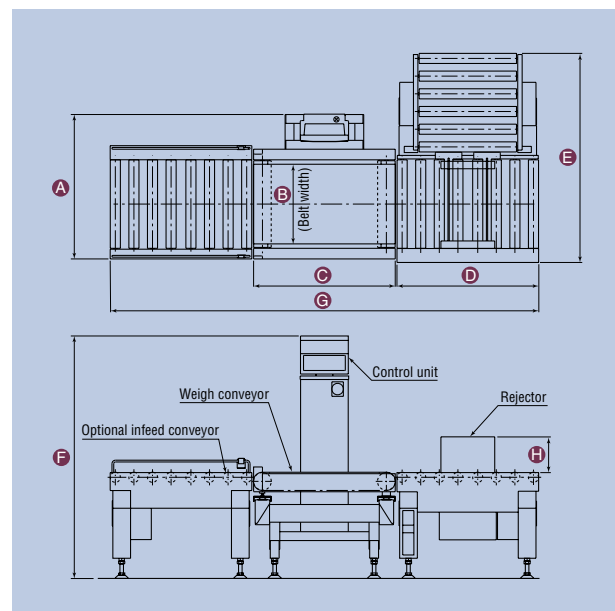
Using ISHIDA's proven technology, the DACS-WN Series has been developed to satisfy the strictest production requirements, providing ease of operation, flexibility, hygiene, high-speed processing and optimal accuracy. The unique modular design allows easy on-site adjustment for installation, and remarkable accessibility for maintenance which enables minimal downtime. Furthermore, the checkweigher can be interfaced via a "DDE" server to many Windows® packages for integration into your management and control systems.

Note: Windows® is a trademark of Microsoft Corporation.

DACS-WN-030/050 + Arm Rejector



DACS-WN-180/300/500 + Push-plate Rejector



() : Value for waterproof model

DACS-WN-050-SB/PB(WP)		DACS-WN-180-SB/PB		DACS-WN-300-SB/PB		DACS-WN-500-SB/PB	
5000 g		18000 g		30000 g		50000 g	
50 ~ 5000 g		180 ~ 18000 g		300 ~ 30000 g		500 ~ 50000 g	
±2.0 g (±3.0 g)		±2.0 g		±10.0 g		±10.0 g	
1 g		1 g		5 g		5 g	
Double-beam load cells		Double-beam load cells		Double-beam load cells		Double-beam load cells	
110 times/min. (max.)		130 times/min. (max.)		50 times/min. (max.)		18 times/min. (max.) 36 times/min. (max.)	
545(L) x 410(W) (540(L) x 380(W))		445(L) x 410(W) (440(L) x 380(W))		800(L) x 500(W)		1100(L) x 600(W)	
80 ~ 500 (110 ~ 490)		80 ~ 400 (110 ~ 390)		210 ~ 740		210 ~ 1040	
30 ~ 370		50 ~ 450		50 ~ 500		50 ~ 600	
10 ~ 300		50 ~ 450		50 ~ 500		50 ~ 500	
5 ~ 60 m/min.		10 ~ 15 m/min.		10 ~ 40 m/min.		5 ~ 20 m/min. 10 ~ 40 m/min.***	
During operation: Continuous automatic dynamic compensation**		During operation: Continuous automatic dynamic compensation**		During operation: Continuous automatic dynamic compensation**		During operation: Continuous automatic dynamic compensation**	
During standby: Manual compensation by touch key		During standby: Manual compensation by touch key		During standby: Manual compensation by touch key		During standby: Manual compensation by touch key	
Max. 100 items		Max. 100 items		Max. 100 items		Max. 100 items	
IP-30 (IP-65)		IP-30		IP-30		IP-30	
Standard		Unavailable		Unavailable		Unavailable	
Approx. 80 kg		Approx. 120 kg		Approx. 130 kg		Approx. 140 kg	
Single phase AC100 V~240 V, 50/60 Hz		Single phase AC200 V~240 V, 50/60 Hz		Single phase AC200 V~240 V, 50/60 Hz		Single phase AC200 V~240 V, 50/60 Hz	
050 (Arm)		180 (Push-plate)		300 (Push-plate)		500 (Push-plate)	
A 800	E 620	A 766	E 1135	A 815	E 1185	A 915	E 1385
B 370	F 405 ± 50	B 400	F 1370 ± 50	B 450	F 1370 ± 50	B 550	F 1370 ± 50
C 955 (995)	G 620	C 650	G 2270	C 800	G 2420	C 1100	G 3320
D 845	H 660	D 800	H 200	D 800	H 200	D 1100	H 200

An Impressive Array of High-Tech Features Delivers Accurate Product Screening

▶ Digital Filter

Greater accuracy at high speeds can be obtained utilizing digital processing which allows filter characteristics to be set automatically.

▶ Double Load Cell

Two load cells are installed to significantly increase accuracy during high-speed processing.

▶ Digital Signal Processor (DSP)

AFV, DSP and Double Load Cell functions are integrated through this high-speed IC to permit accurate weighing under a wide range of weighing conditions.

▶ Dynamic Calibration

Dynamic calibration displays the correct weight if a discrepancy exists between the ready status and operational weight displays.

▶ Auto/Manual Zero Adjust

Zero adjustment can be performed by the operator before start-up or product changeover. Also, Automatic Zero adjustment is programmed to occur at regular intervals during production.

▶ Tare

Tare values can be set by entering the tare value via the numeric keypad.

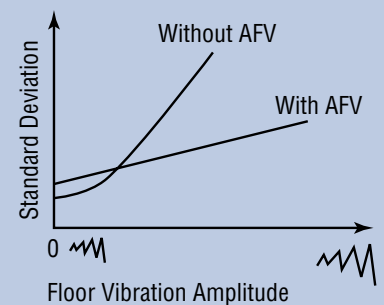
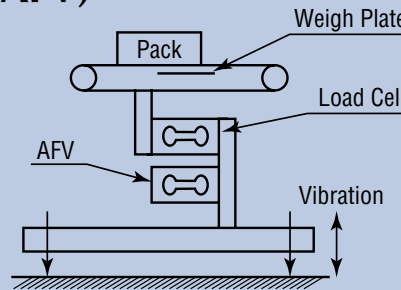
▶ Self Diagnosis

Automatic error detection functions include:

- Power down check
- Photoeye check
- CPU malfunction check
- Conveyor speed check
- Rejector stop position check
- Zero error check

Anti-floor Vibration Device (AFV)

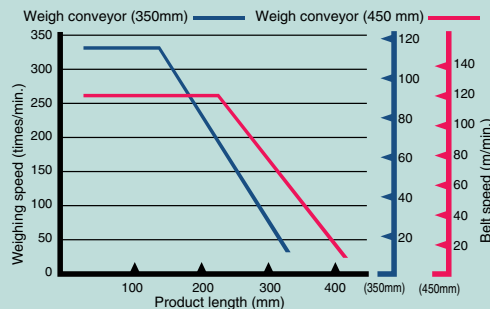
A major breakthrough in checkweigher accuracy, the AFV actually cancels out influence from external vibration. Stable and reliable weighing results are achieved even in a vibration-intensive factory environment.



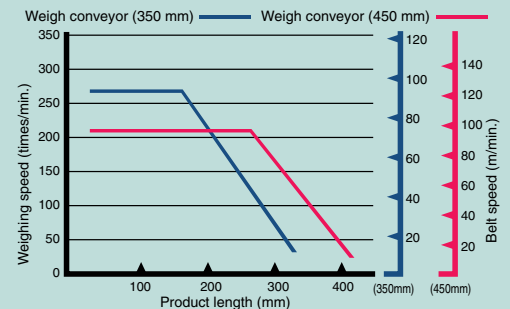
Performance

* Depends on the product shape, installation environment and other conditions.

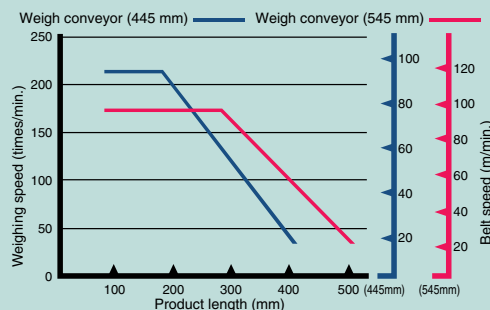
Model 003



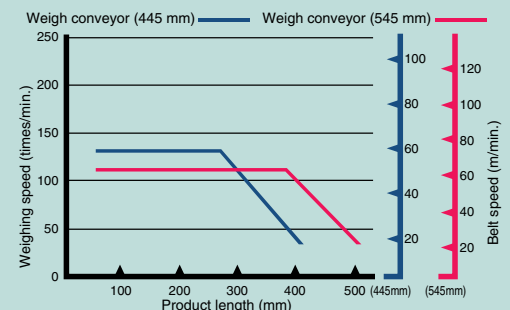
Model 012



Model 030



Model 050



Control Unit

An easy-to-operate control unit with a large 256-by-64-dot display helps eliminate reading errors, while the interactive operation system makes presetting extremely simple. Data is clearly shown on the screen, and graphs and histograms are provided for easy understanding and enhanced production.



Control Unit with Optional Printer



Printout Example

Display Mode Examples

Bar Graph



During operation the easy-to-read bar graph will continuously display current degree of variance from target weight.

Zoom Data



The current weight and total count values can be displayed in an enlarged format for easy monitoring.

Histogram



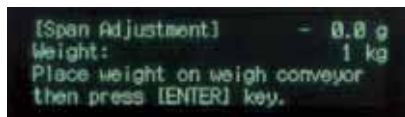
The number of over, under, proper and total batch weighments, as well as reference, mean, and standard deviation data, can be displayed in an easy-to-read histogram format.

Password Setting



Operational functions are divided into 3 levels: Operator, Supervisor and Installation Engineer. Passwords for non-operator levels are programmable on site.

Span Adjustment



The easy-to-follow conversational menus guide the operator through necessary set-up and operational procedures.

Diagnostic Message



An alarm sounds and the diagnostic message is instantly displayed for easy troubleshooting of operational problems.

Preset Overview



Up to 50 sets of preset product parameters can be stored for instant retrieval. This facilitates rapid product start-up and changeover, and ensures accurate and consistent weight checking.

X-Bar Chart



To evaluate weighing trends during operation, the average for each ten weighments is displayed.

Optional Features

▶ Printer

A printer can be attached to the control unit. Preset parameter data and various performance data can be recorded and printed.

▶ Interface Capability

Communication interfaces with a host computer, Ishida CCW multihead weighers, or other external devices are available to help optimize your production line's performance.

▶ Feedback Control

Corrective control signals from the checkweigher to an upstream auger filler improve production efficiency.

▶ Metal Detector

A high-efficiency metal detector can be easily added to provide an extra measure of safety and quality assurance.

▶ Web-RCU



- **Large 12.1 inch color LCD touch screen panel**
- **Built-in Camera**
Takes and loads product photo onto the operating screen to assist operators in selecting the correct product preset.
- **Data storage by CF card**
CF card stores weighing results and setting parameters. This data can be loaded by PC.
- **iTPS-net**
The Ishida Total Packaging System (iTPS) network integrates the DACS-WN and other Ishida equipment. Preset and production data can be easily shared with this network.

Rejectors



Arm



Air-jet



Push-plate

Other types of rejectors are available upon consultation.

Notes:

1. A waterproof model which conforms to IP65 standards is also available.
2. The DACS-WN with built-in metal detector is available.



Ishida, the world leader in weighing technology, also manufactures a full line of multihead weighers.

 **ISHIDA**

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