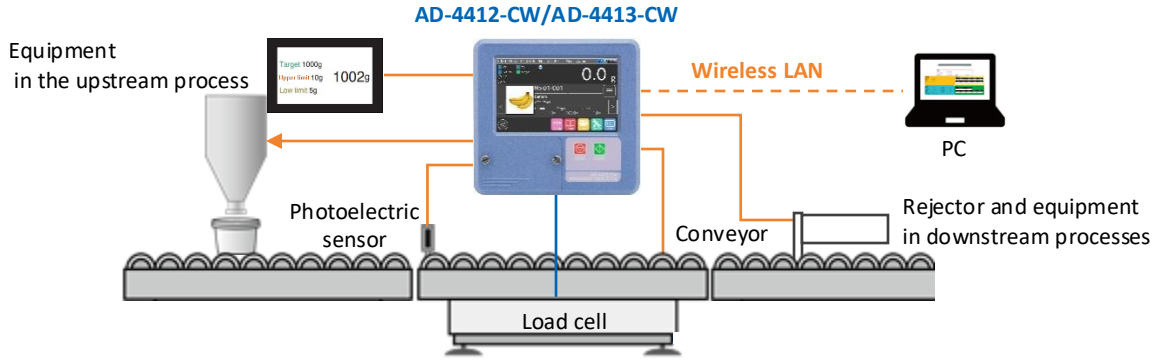
Weighing Indicator for Checkweigher

AD-4412-CW
AD-4413-CW

A&D Inspection

Just connect a load cell or a platform scale to build a Checkweigher.

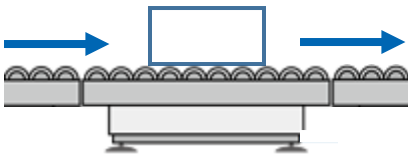
The Indicator also supports signal input/output and feedback to equipment in upstream/downstream processes, conveyor control, and communication with inspection data output devices.



Two weighing modes can be configured in each registered product.

Conveyor Stop Mode

Weighing while stopped on the conveyor

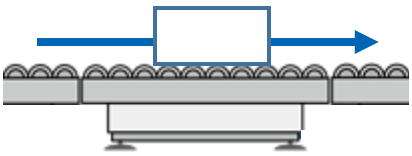


Applications

- Products with unstable shapes
- Performing other inspections simultaneously such as print inspection
- Products with large variations in weight

Auto Mode

Weighing while passing on the conveyor

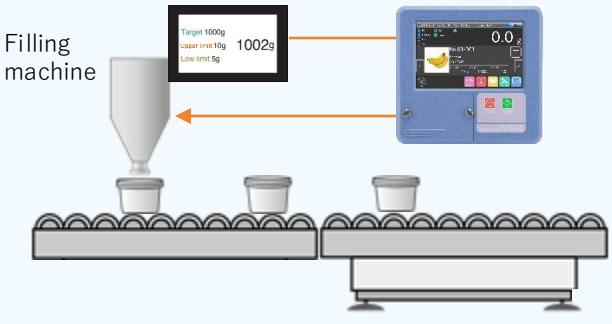


Applications

- High-speed production line
- Products with stable shapes
- Small variations in product weight

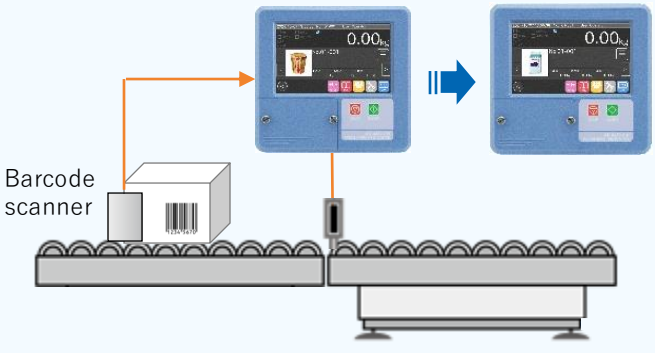
Feedback control

Weighing data can be feed back to upstream equipment such as filling machines.



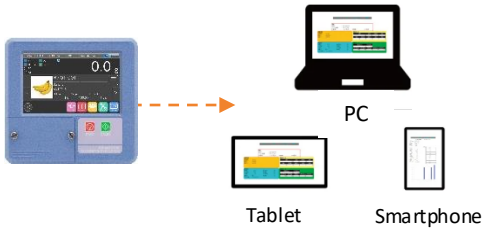
Automatically change product settings by scanning a barcode

This is useful to produce many types of products in one production line.



Diverse traceability managements

Displays measurement data on a PC via wireless LAN even during weighing *1



Operation history and weighing history can be saved to a USB flash drive

Supports PDF and CSV output



Specifications

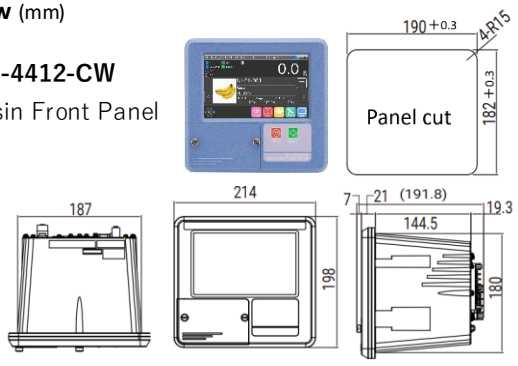
Input sensitivity	0.15μV/d or more (d = digit)
Zero adjustment range	-35mV～+35mV（-7mV/V～+7mV/V）
Load cell excitation	DC 5V 60mA up to 4 load cells (350Ω) Remote sensing function included
Temperature coefficient	Zero：±0.02μV/℃ (Typ.) Span：±3ppm/℃ (Typ.)
Nonlinearity	±50 ppm F.S. (Typ.)
Maximum display resolution	999,999d
Display	LCD color display with 7 inch touchscreen
Number of registrable products	1,000 products (10 groups x 100 products)
Power supply	Single phase AC 100-240 V (+10% / -15%), 50 / 60 Hz, 30VA
Operation temperature / humidity range	-10 to 50 ℃ / humidity 20 to 85 % RH (with no condensation)

Dust/waterproof	Equivalent to IP65 when mounted on a panel
Communication functions	RS-232C, RS-485, LAN, USB2.0, Wireless LAN*1
External input/output	Input: 11 points (Non-voltage contact input or Open-collector drive) Output: 11 points (Open-collector output)
Power supply for photoelectric sensor	12V 250mA
Options*2	AD-4412-02 Relay output 9 points AD-4412-05 Parallel I/O DI: 16 points DO: 16 points AD-4412-07 Analog output 1 ch*3 4-20 mA or 0-10 V (For weighing value output or conveyor speed control) AD-4412-17 AD4412-07's expansion module AD-4412-10*4 Panel Mount Kit AD-4412-11 Attachment Kit for Display Stand AD-4402-25 Display Stand

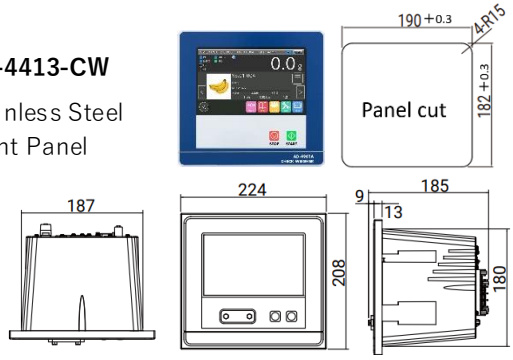
*1 Reception sensitivity of wireless LAN depends on radio wave environment. For continuous monitoring, it is recommended to use a combination of the HMI indicator and the Modbus communication function via RS-485 or wired LAN as communication may be interrupted. In addition, the wireless LAN of this product may only be used in countries or regions where it has been approved. *2 Any two pieces of the following modules can be installed: AD-4412-02 or AD-4412-07. *3 By adding three pieces of AD-4412-17, up to four output channels can be supported. *4 AD-4412-10 is required only on AD-4412-CW and is included in AD-4413-CW as standard.

External view (mm)

AD-4412-CW
Resin Front Panel



AD-4413-CW
Stainless Steel
Front Panel



Appearance and/or specifications are subject to change without prior notice for product improvement.

A&D Inspection

Discover Precision

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URL: aandd.jp

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A&D Australasia Pty Ltd. (Australia)
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A&D Instruments Thailand Ltd. (Thailand)
URL: thai.andprecision.com

A&D Technology Trading (Shanghai) Co., Ltd. (China)
URL: aanddtech.cn

* AD4412CW-ADCT-00-AD1-262000