



FG-CWP Series

Waterproof Platform Scales

Introducing A&D Weighing's Highly Washable All Stainless Steel Platform Scales

In addition to fast and accurate weighing, FG-CWP series of new waterproof platform scales allow cleaning with alcohol as well as rinsing with water. This makes the series perfect for use in environments where avoiding contamination hazards is imperative, such as food-processing factories.



Product Features

- Multiple Resolution Levels for high precision weighing with tight tolerance specifications
- Display Hold Function that makes it easy to read and record display values when disturbances can occur
- Various Application Modes including parts counting of small pieces
- Password Lock Function to prevent unauthorized changes to settings
- Accreditations including NTEP and Measurement Canada Legal for Trade to ensure regulatory compliance

User Benefits

- LCD Display with clear, white backlight and easy-to-read character height
- Adjustable Display Head to accommodate various measurement locations with easy readability
- Adjustable Response Characteristics to optimize performance under variable environmental conditions
- Impact Shock Detection (ISD) to help avoid errors or damage due to impact loads



All Stainless-Steel Construction

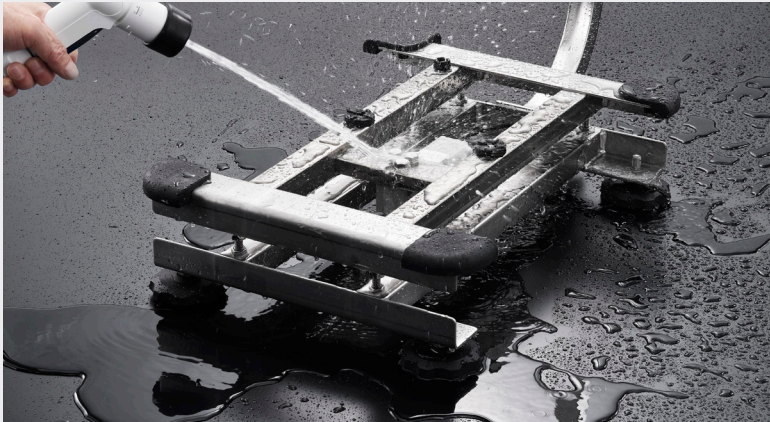
The stainless steel¹ surface is resistant to rust/corrosion and scratches. Also being easy to wash is critical for hygiene control. Further, the display unit (including the front panel), weighing pan, pole and frame can be cleaned using alcohol.²

1. Display unit, weighing pan, pole and frame: SUS304 Load cell: SUS420J-2 with protective coating
2. Diluted to 70% or less

High-Speed Measurement of 1 Second³

Fast, efficient weighing increases productivity while significantly reducing operator frustration.

3. Typical when the readability is set to normal (factory setting)



IP67 Dust and Waterproof

In accordance with the IP67 rating of the IEC/EN standard 60529, the FG-CWP series is designed to prevent the intrusion of water even while immersed to a depth of 1 meter for 30 minutes. The scale also permits no particulate matters such as wheat flour or seasoned powder, which can damage the device, inside the housing.

Bright and Multi-Colored LED Comparator Lights

With highly intuitive comparator lights, check weighing (judging whether the measured weight is within the designated limits) becomes far more accurate and efficient than with a numeric display alone. For multiple sample types, the scale stores up to 10 comparator limit settings. You can easily save time and costs with these lights.

Auto-tare and negative comparison functions

The scale can perform tare automatically when the weight reaches the set target range. Additionally, negative values can be used as comparator limits. With these functions combined, you can perform “take-away” checkweighing, which is a weighing method where a target amount of a substance is repeatedly removed from the container with no key press.

USB Cable (3 m) for Both Power Supply and Data Communication (Not Applicable to FG-KACWP Models)

The FG-CWP series receives power supply via USB (Type-A plug), which can be connected to either an AC adapter (provided as standard), a USB port of a PC, or an off-the-shelf mobile battery.⁴ Further, when connected to a PC, bi-directional data communication between the scale and the PC is possible using Virtual COM.⁵ (The WinCT data communication software is available for free download from A&D Weighing’s website.)



4. For reference, continuous operation time with an off-the-shelf mobile battery (10,000 mAh) is estimated to be approx. 77 hours with backlight on.

5. Installation of the dedicated driver software is required for Windows 8.1 or earlier.

Specifications

		FG-30KCMWP FG-30KACMWP	FG-60KCLWP FG-60KACLWP	FG-150KCLWP FG-150KACLWP
Capacity x Readability		30 x 0.01 kg	60 x 0.02 kg	150 x 0.05 kg
		30000 x 10 g	N/A	N/A
		66 x 0.02 lb	130 x 0.05 lb	330 x 0.1 lb
		1050 x 0.5 oz	2100 x 1 oz	5200 x 2 oz
Counting mode	Number of samples	5, 10, 20, 50 or 100		
	Max. countable number	300,000		
Repeatability (std. deviation)		0.005 kg	0.01 kg	0.02 kg
Linearity		±0.01 kg	±0.02 kg	±0.05 kg
Stabilization time		Approx. 1 sec. ⁱ		
Sensitivity drift		±20 ppm / °C (5 to 35 °C / 41 to 95 °F)		
Display		7-segment LCD (character height: 30 mm) with backlight 3-color, 3-step LED comparator lights		
Display refresh rate		Approx. 10 times / second		
Operating temperature		-10 to 40 °C / 14 to 104 °F, 85% R.H. or less (no condensation)		
Power supply		FG-KCWP: AC adapter (provided as standard), USB port ⁱⁱ or mobile battery ⁱⁱⁱ via USB Type-A (5 V / 100 mA) ^{iv} USB cable length: Approx. 3 m		
		FG-KACWP: AC Main (100 to 240 V) only		
Weighing Pan size (WxD)		300 x 380 mm 11.81 x 14.96 in	370 x 500 mm / 14.57 x 19.69 in	
Dimensions (WxDxH)		300 x 515 x 784 mm 11.81 x 20.28 x 30.87 in	370 x 635 x 784 mm / 14.57 x 25 x 30.87 in	
Weight (approx.)		11.1 kg / 24.5 lb	12.8 kg / 28.3 lb	

i. Typical when the readability is set to normal (factory setting)

ii. Data communication is also possible when connected to a USB port of a PC.

iii. For reference, continuous operation time with an off-the-shelf mobile battery (10,000 mAh) is estimated to be approx. 77 hours with backlight on. (Operation is not guaranteed for all mobile batteries.)

iv. Only for KC Models

Options (Order Separately)

FG-27CWP Bluetooth® communication interface for FG-CWP

For bi-directional data communication with a PC, the AD-8541-PC dongle (sold separately) is required.