IP67 Compact Bench Scales

SJ-WP

Series

A&D SJ-30KWP

30 kg x 0.005 kg   66 lb x 0.01 lb
1050 oz x 0.2 oz   66 lb x 0.1 oz

STABLE

NET
ZERO

0.000 kg

HI

OK

LO

ZERO
ON/OFF
SAMPLE   UNITS   TARE

Soak & Wash!

A&D
...*Clearly a Better Value*
A&D Company, Limited
http://www.aandd.jp

How to Always Keep Your Scale Clean and Hygienic – With No Hard Work

At first glance, you will notice that the SJ-WP series looks remarkably different from any other scales you may have come across before. With this unique construction, A&D offers a number of innovations that promise you maximum efficiency in sanitary management, as well as in weight measurement. Don't even think about buying another scale until you find out what these innovations are below!

The Ultimate in Hygiene Control

Dirty debris…foul odor…bacteria...(!) Even to the slightest degree, you hate to imagine these things affecting your equipment, don't you? Now set your mind at ease. Let's examine the SJ-WP series piece by piece so you can see why its sanitation standards can be perfectly assured.

1 – Externally Mounted Load Cell (Weight Sensor) *1

This novel design allows the device to be completely sealed for watertightness without compromising the weighing speed and stability due to up and down movement of the load cell changing the air pressure inside. As a result, the stabilization of the SJ-WP series can be as fast as **0.5 seconds**.*2

2 – Stainless Steel (SUS304) Weighing Pan

The surface is resistant to scratches and wear, and is easy to keep disinfected.

3 – Transparent Panels Around the Load Cell

The panels hanging from the pan support shield the load cell from debris to keep it clean as well as away from drafts to ensure stable weighing. Since they are transparent, the degree of contamination inside is always visible.

4 – Quickly Removable Pan Support

When cleaning is required, you can remove the pan support simply by loosening the four screws using a coin, etc.

5 – Integrated Overload Protection Mechanism

The load cell incorporates a stopper and requires no external components for overload protection. The area around the load cell is therefore unobstructed and easy to keep free from debris.

6 – Submersible, IP67 Dust and Waterproof *3

Besides using water from a hose, it is even possible to soak the scale directly in water with ph-neutral detergent for thorough washing.*4

*1 Made of aluminum and treated with alumite and silicons to be waterproof and anti-corrosive
*2 Subject to the weighing environment, display resolution and response characteristic setting
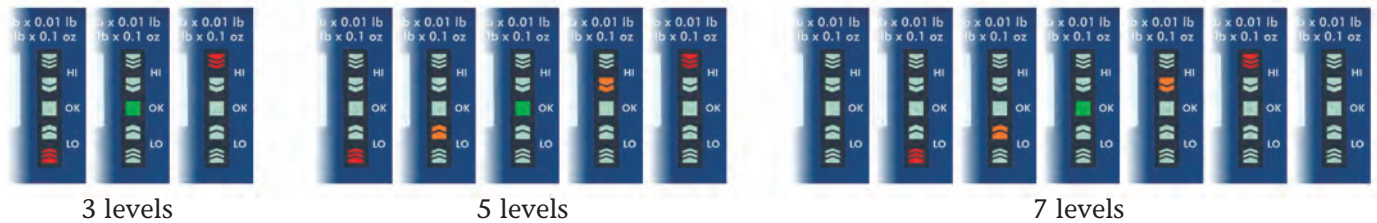*3 Permits no infiltration of water while immersed to a depth of 1 meter for 30 minutes
*4 Please take care not to strongly brush the strain gauge area of the load cell.

Large LCD Display (26 mm Character Height) with White Backlight

The large-sized characters make the weight values easy to read. With the clear white backlight, the display provides excellent visibility even in a dimly-lit area.

Bright and Multi-Colored 5-Step LED Comparator Lights

The clearly-discernible LED helps you judge the results of check weighing instantly and accurately. Comparison can be made in three levels, five levels, or even seven levels, with no light indicating either end of the continuum.

3 levels   5 levels   7 levels

▶ Auto-Tare Function

The scale can perform tare automatically when the weight reaches the set target range, saving you from the hassle of pressing the TARE key each time for consecutive measurements.

▶ Negative Comparison

The comparator also functions in negative values. By using this and the auto-tare function together, you can perform "take-away" check weighing.

Take-Away Check Weighing

Tare the initial weight (either manual or automatic).

Take out the content for the target weight.

The scale performs tare automatically and returns the display to zero.

Unparalleled, 5000-Hour Continuous Operation With Normal Batteries[*5]

Based on regular use of 8 hours a day, 5 days a week, a single set of batteries will last approximately 2.5 years.

▶ Auto Power OFF Function

To avoid wasting power, the scale turns the power off automatically when it is inactive for a set period (5 to 60 minutes) of time.

▶ Battery Indicator

The scale displays the remaining battery level so that you can prevent the batteries running out unexpectedly while in use.

5 With six D alkaline batteries, LED and backlight off.

Other Features

✔ Four selectable weighing resolutions: 1/3,000, 1/6,000 (or 1/7,500), 1/12,000 (or 15,000), and 1/30,000

✔ Touch sensitive, capacitive keys covered with hard plastic, which prevents surface rupture and thereby ensures permanent waterproofing

✔ Multiple weighing units: gram, kilo gram, pound, ounce, troy ounce, pound-ounce, tael (Singapore/HK jewelry/Taiwan), tola, and Newton

✔ Counting function to calculate and display the number of pieces based on their individual unit weight

✔ Response characteristics adjustable depending on the degree of vibration and draft at the location

Specifications

		SJ-3000WP	SJ-6000WP	SJ-15KWP	SJ-30KWP
kg	Capacity	3	6	15	30
	Minimum display	0.0001	0.0002	0.0005	0.001
		0.0002	0.0005	0.001	0.002
		0.0005*	0.001*	0.002*	0.005*
		0.001	0.002	0.005	0.01
lb	Capacity	6.6	13	33	66
	Minimum display	0.0002	0.0005	0.001	0.002
		0.0005	0.001	0.002	0.005
		0.001*	0.002*	0.005*	0.01*
		0.002	0.005	0.01	0.02
oz	Capacity	105	210	520	1050
	Minimum display	0.005	0.01	0.02	0.05
		0.01	0.02	0.05	0.1
		0.02*	0.05*	0.1*	0.2*
		0.05	0.1	0.2	0.5
lb-oz	Capacity	6	13	33	66
	Minimum display	0.1			
Counting	Number of samples	5, 10, 20, 50 or 100			
	Maximum count	120,000			
Repeatability (standard deviation)		0.5 g	1 g	2 g	5 g
Linearity		±1 g	±2 g	±5 g	±10 g
Sensitivity drift		±50 ppm / ˚C (5 ˚C to 35 ˚C / 41 ˚F to 95 ˚F)			
Display	Weight display	7 segment LCD (character height: 26 mm) with white LED backlight			
	Comparator lights	Tricolor 5-step LED: red / yellow / green / yellow / red			
Display update		20 times / second			
Weighing units		g, kg, lb, oz, ozt, lb-oz, tl (tael), t (tola), pcs (counting), N			
Operating temperature		-10 ˚C to 40 ˚C / 14 ˚F to 104 ˚F			
Battery life (with LED and backlight OFF)		Approx. 5,000 hours with 6 D alkaline batteries Approx. 2,000 hours with 6 D manganese batteries			
Weighing pan size		232 (W) ✕ 192 (D) mm / 9.18 (W) ✕ 7.6 (D) in			
External dimensions		236 (W) ✕ 260 (D) ✕ 148 (H) mm / 9.3 (W) ✕ 10.2 (D) ✕ 5.8 (H) in			
Weight		Approx. 4 kg / 9 lb			
Standard accessories		Instruction manual, screwdriver			

✷ Factory setting

IP67	External Calibration	LCD Backlight	Counting Function	Comparator Function	Auto Power OFF	Normal Battery