



## Affordable Stainless Steel Indicator Ideal for Building Various Types of Waterproof Scales

A new solution for scale makers is here. This highly washable, alcohol cleanable, stainless steel indicator helps in not just designing scales that are easy to keep hygienic but also helps in making weighing highly accurate and productive in many different ways.

### ■ IP67 dust & waterproof, stainless steel (SUS304) construction

In accordance with the IP67 rating of the IEC/EN standard 60529, the FG-D-CWP prevents the intrusion of water even while immersed to a depth of 1 meter for 30 minutes. It also permits no particulate matters, which can damage the device, inside the housing. The stainless steel surface is resistant to rust/corrosion and scratches, and even allows cleaning with alcohol (diluted to 70 % or less) as well as rinse with water.

### ■ Drive capacity of up to four 350 Ω load cells with a remote sensing function

The FG-D-CWP is suitable for building various sizes of scales from a small bench scale that uses a single-point load cell to a large floor scale that uses four load cells. The remote sensing function minimizes error by compensating for the effect of resistance in wires, which is especially effective when using an extended length of load cell cable or connecting multiple load cells via a summing box.

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## Other Useful Features

- ✓ Freely configurable capacity and scale division (max. display resolution: 1/100,000)
- ✓ Clearly-visible, large LCD digits (30 mm character height) with white backlight
- ✓ Bright and multi-colored LED comparator lights for intuitive HI/OK/LO judgments
- ✓ Power supply from either the provided AC adapter, USB port on another device, or off-the-shelf mobile battery via USB cable (3 m)
- ✓ Capable of both data communication and power supply at the same time when connected to a PC
- ✓ Multiple units of measure: kg, g, lb, oz, t and pcs (for counting mode)
- ✓ Stand for setting the indicator on the floor or up on a wall at an arbitrary angle
- ✓ Password lock and key restriction functions to avoid unwanted changes to settings
- ✓ Impact shock detection (ISD) function to prevent errors or damage due to impact loads
- ✓ Display hold function, Auto power ON/OFF, GLP/GMP output, etc.



Multi-colored LED comparator lights

## Specifications

Input sensitivity	0.1 $\mu\text{V}/\text{d}$ min. (d: scale division)
Input signal range	-16 mV to 16 mV
Load cell excitation	DC 5 V $\pm 10\%$ , Remote sensing function included Up to 4 load cells (350 $\Omega$ ) can be connected
Temperature coefficients	Zero: $\pm 0.02 \mu\text{V}/^\circ\text{C}$ typ., $\pm 0.1 \mu\text{V}/^\circ\text{C}$ max. Span: $\pm 3 \text{ ppm}/^\circ\text{C}$ typ., $\pm 15 \text{ ppm}/^\circ\text{C}$ max.
Nonlinearity	$\pm 0.01\%$ of full scale
Display resolution	100,000 d max.
Display	7 segment LCD with white backlight (character height: 30 mm)
Display refresh rate	Approx. 10 times/second
Operating environment	-10 $^\circ\text{C}$ to 40 $^\circ\text{C}$ / 14 $^\circ\text{F}$ to 104 $^\circ\text{F}$ , 85 % R.H. or less (no condensation)
Power supply	AC adapter <sup>*i</sup> , USB port <sup>*ii</sup> or mobile battery via USB Type-A USB cable length: Approx. 3 m
Dimensions	240 (W) $\times$ 76 (D) $\times$ 155 (H) mm
Net weight	Approx. 1.6 kg (including the stand)

\*i Provided as standard

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



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