PROCESS INSTRUMENTATION

Functionality **and precision**

SIWAREX WP351: Compact weighing electronics for maximum accuracy
usa.siemens.com/weighing

SIEMENS

SIWAREX WP351:
The clever alternative to the weighing terminal

Whether you need to produce accurate mixtures, ensure precise filling and loading, or perform tasks like bagging, checking and dosing: SIWAREX WP351 is always the right choice. It's the perfect fit for all automatic and non-automatic weighing applications.

Small can be a big hit

Just 0.8 inches wide and 2.6 inches high: One of the smallest weighing electronics units on the market, SIWAREX WP351 is a big hit in the control panel. Its intelligent firmware, with many dosing algorithms and digital signal filters, ensures maximum precision and performance – and takes the load off the control system at the same time. The 1,000 Hz sampling rate and processing time is best in class. Its digital outputs with a response time of less than 1 ms guarantee maximum accuracy and repeatability. The sample application is ready for use, and contains full HMI visualization as well as the function block that gives you full access to all scale parameters from the controller, with no need to write a single line of program code. Another benefit is the web server integrated in the module that can also be used for commissioning and servicing purposes as an alternative to the HMI.

SIWAREX – at home in the world of automation

Weight measurement is an integral part of any innovative, future-oriented process and production automation system, and autonomous, standalone solutions are no longer acceptable for state-of-the-art plant and machinery. As applications grow more complex, the demand for seamless integration of both software and hardware also grow. The integrated open and standardized SIWAREX concept lets you take charge of diagnosing and servicing your scales yourself without delay when the need arises. The long-term, global availability of all SIMATIC components also ensures maximum security for your investment and operations.

More benefits at every level

Ultra-compact
→ 0.8 inches wide
→ 2.6 inches high

Fast
→ 1,000 Hz sampling rate
→ Digital output response time < 1 ms

Precise
→ Resolution ± 20,000,000 increments
→ 3 × 6000d multi-range/multi-interval scale

Integrated
→ Seamlessly integrated in ET 200SP system
→ Integrated wiring

Intelligent
→ Webserver for servicing and commissioning
→ Emergency access to scale if PLC fails or malfunctions
→ Intelligent firmware enables the weighing process to be controlled and optimized entirely from the weighing module

Autonomous
→ Uniform hardware with all I/Os ex works
→ 3x DI (24V DC)
→ 3x DQ (24V DC)
→ 1x LC (10V Excitation, 1–4mV/V)
→ 1x RS485
→ 1x Ethernet

Product data at a glance

	SIWAREX WP351
Applications	Automatic, bagging, totalizing, and check-weighing scales; Non-automatic, scales such as platform or hopper scales
Interfaces	3× DI (24V DC); 3× DQ (24V DC); 1× RJ45; 1× RS485; 1× CI
Ambient temperature	–22... +140 °F
Load cell interface	1000 Hz sampling rate; 10 V supply voltage; 0.5 µV/d; 3 × 6000d; ± 20,000,000 increments
Order number	7MH4138-6BA00-0CU0

Measuring everything that matters:

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Siemens Process Instrumentation offers best-in-class measurement and seamless integration into your automation system. We are the total solution provider for flow, level, pressure, temperature, weighing, positioners and more.

Legal Manufacturer

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