


SIEMENS

Ingenuity for life



Functionality and precision

SIWAREX WP351:
Compact weighing electronics
for maximum accuracy



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 grows. 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

| | |
|---|--|
|  <p>Ultra-compact</p> <ul style="list-style-type: none"> → 0.8 inches wide → 2.6 inches high |  <p>Fast</p> <ul style="list-style-type: none"> → 1,000 Hz sampling rate → Digital output response time < 1 ms |
|  <p>Precise</p> <ul style="list-style-type: none"> → Resolution $\pm 20,000,000$ increments → 3 \times 6000d multi-range/multi-interval scale |  <p>Integrated</p> <ul style="list-style-type: none"> → Seamlessly integrated in ET 200SP system → Integrated wiring |
|  <p>Intelligent</p> <ul style="list-style-type: none"> → 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 |  <p>Autonomous</p> <ul style="list-style-type: none"> → 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 | 3x DI (24V DC); 3x DQ (24V DC); 1x RJ45; 1x RS485; 1x CI |
| Ambient temperature | -22... +140 °F |
| Load cell interface | 1000 Hz sampling rate; 10 V supply voltage; 0.5 μ V/d; 3 \times 6000d; $\pm 20,000,000$ increments |
| Order number | 7MH4138-6BA00-0CU0 |

Measuring everything that matters:

www.usa.siemens.com/pi

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