

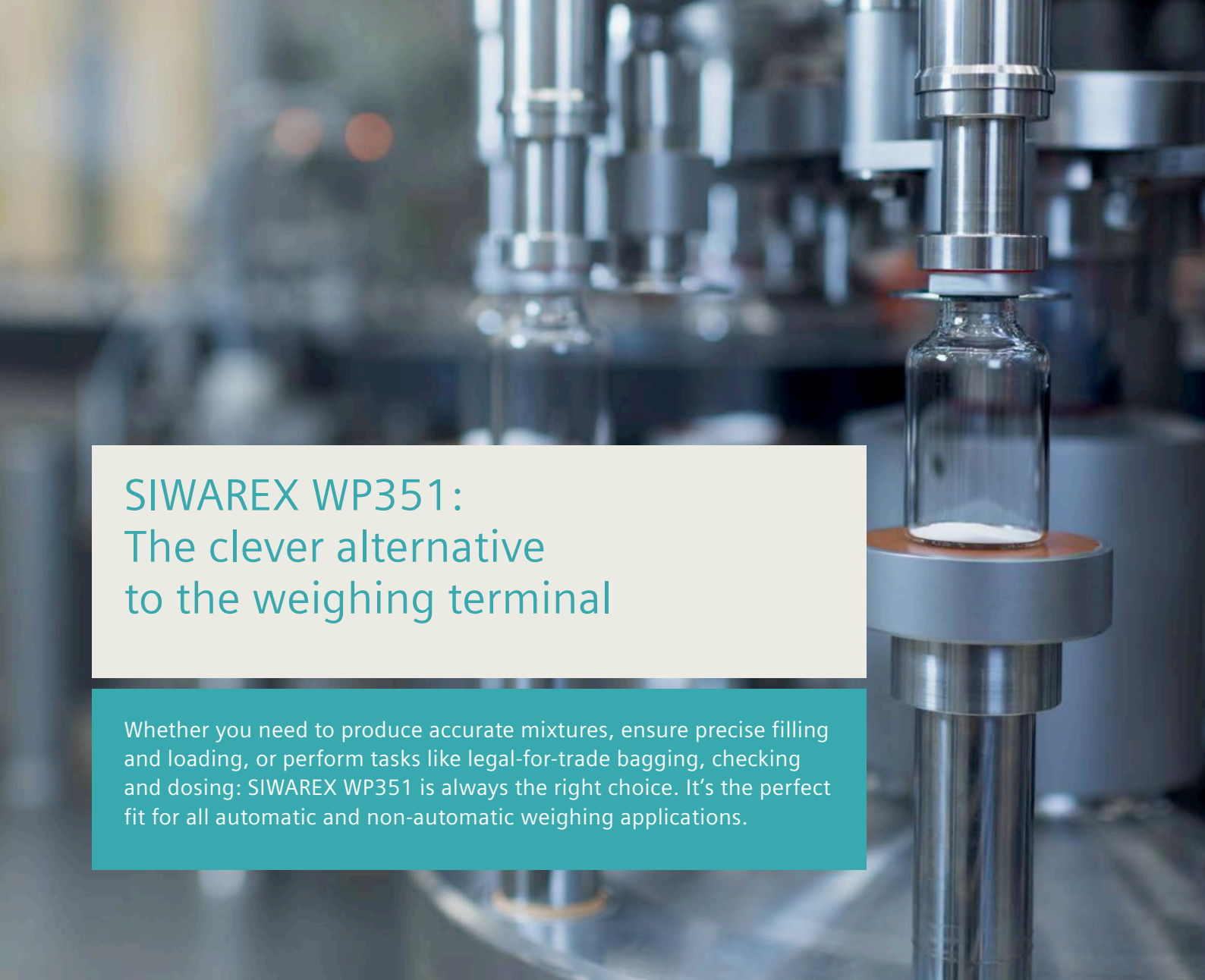
SIEMENS

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 legal-for-trade 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 20 mm wide and 65 mm 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 PLC 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 free 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 demands for seamless integration of both software and hardware are constantly growing. With the TIA Portal, you can flexibly combine control tasks, process visualization and weight measurement. SIMATIC S7 controllers, HMI Panels and SIWAREX weighing modules are available for the purpose in a range of performance and functional levels. 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 → 20 mm wide → 65 mm high	 Fast → 1,000 Hz sampling rate → Digital output response time < 1 ms
 Precise → Resolution $\pm 20,000,000$ increments → 3 $\times$ 6000d multi-range/multi-interval scale	 Integrated → Seamlessly integrated in ET 200SP system → Works with S7-300, 400, 1200 and 1500 controllers → Integrated wiring
 User-friendly → Webserver for servicing and commissioning → Emergency access to scale if PLC fails or malfunctions	 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
 Certified → Certified in accordance with OIML R-51, R-61, R-76, and R-107 for the construction of legal-for-trade filling, bagging, totalizing, check-weighing, and platform scales	 Intelligent → Intelligent firmware enables the weighing process to be controlled and optimized entirely from the weighing module

Product data at a glance

	SIWAREX WP351
Applications	Automatic, legal-for-trade filling, bagging, totalizing, and check-weighing scales; Non-automatic, legal-for-trade scales such as platform or hopper scales
Interfaces	3x DI (24V DC); 3x DQ (24V DC); 1x RJ45; 1x RS485; 1x CI
Ambient temperature	–30 ... +60°C
Supported controllers	SIMATIC S7-300, S7-400, S7-1200 and S7-1500; third-party systems via GSD/GSDML
Load cell interface	1000 Hz sampling rate; 10 V supply voltage; 0,4μV/e; 3 $\times$ 6000d; $\pm 20,000,000$ increments
Order number	7MH4138-6BA00-0CU0

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