

# SIEMENS



PROCESS INSTRUMENTATION

## Multichannel weighing terminal from Siemens

[www.usa.siemens.com/weighing](http://www.usa.siemens.com/weighing)

### **Need a stand-alone multichannel weighing display for an application?**

Excellence in data processing and control? A large ready for use Touch Panel display? Accurate weighing measurements?

Put it all together in a single durable system and you have the Siemens SIWAREX WT231-2: This new weighing terminal is a stand-alone package that is comprised of tried-and-tested Siemens components.

Easy to program with the Touch Panel, Siemens weighing terminals just made multichannel SIWAREX weighing processing accessible anywhere!



# The whole package – **proven quality** **for flexible weighing technology**

The SIWAREX multichannel WT231-2 weighing terminal combines the proven quality of multiple Siemens components into one product: Two powerful SIWAREX WP231 weighing modules, and a Siemens Touch Panel with a user interface that is application specific.

All settings and parameters for applications in the areas of level measurement and platform scales can be made via the Touch Panel.

The intuitive operation enables the user to perform fast parameter assignment and commissioning.

As a stand-alone solution, the SIWAREX WT231-2 can be used independently of the automation solution, making interaction fast and uncomplicated.

The Ethernet Modbus TCP/IP and RS485 Modbus RTU interfaces enable direct integration of the terminal in all conventional controller environments.

- **SIWAREX WP231:** The flexible weighing module is the ideal solution for industrial areas with high precision requirements, e.g. food and beverages, pharmaceuticals, chemicals, and many more. The comprehensive diagnostics options, such as checking weight progression or monitoring and reporting limit values, increase process reliability.
- **Siemens Touch Panel:** The WT231-2 dual channel weighing terminal comes with a 4 inch, high resolution color display. The display is configured to show both weight measurements simultaneously when in the run mode. In addition it's flexibility allows it to be customized to meet your specific needs. The modular weighing terminal meets the very high quality demands of various sectors, such as the food and beverages, pharmaceutical, and chemicals industries.



## The SIWAREX WT231-2 weighing terminal:

High quality components such as the Siemens Touch Panel display combined with excellent Siemens weighing technology enclosed in high-quality stainless steel



- Versatile weighing module – Comprehensive diagnostic functions, monitoring of limits, resolution up to +/- 4 million parts , accuracy of 0.05%, measuring rate/cycle of 10 ms/100 Hz
- HMI Panel – 4-inch TFT touch-screen display with 256 colors, a screen resolution of 480 × 272 dpi, and 4 function keys
- Intuitive user interface – Suitable for level measurement and platform scales applications
- Flexible communication interface - Supports Ethernet Modbus TCP/IP and RS484 Modbus RTU with direct integration of the terminal in all conventional controller environments.
- IP66 protection - The high-quality stainless steel housing fulfills typical industrial requirements
- Advanced filtering techniques - To minimize the effects of vibration and momentary erroneous readings

Standard Parameter	SIWAREX WT231-2
<b>Weighing module</b>	SIWAREX WP231
• Resolution	Up to +/- 4 million parts per channel
• Measuring rate/cycle	10 ms/100 Hz per channel
• Load cell connection	6-wire connection Supply 5 V DC
• Interfaces	RS485 Modbus RTU Ethernet Modbus TCP/IP 4 digital inputs per channel (floating) 4 digital outputs per channel (floating) 1 analog output per channel (0/4-20 ma)
<b>Display</b>	Siemens Touch Panel; 4 inch TFT
<b>Enclosure Material</b>	304 Stainless steel construction #4 brushed finish Stainless steel screws and clamps Seams continuously welded and ground smooth
<b>Connections</b>	1 power supply connection 1 ground connection Mounting brackets for wall mounting
<b>Power supply</b>	100...240 V AC $\pm$ 12%
<b>Temperature range</b>	Vertically mounted: 0 ... 104°F
<b>Degree of protection</b>	IP66

**Measuring everything that matters:**

***[usa.siemens.com/pi](https://usa.siemens.com/pi)***

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**

Siemens Industry, Inc.  
100 Technology Drive  
Alpharetta, GA 30005  
United States of America  
Telephone: +1 (800) 365-8766  
[usa.siemens.com/pi](https://usa.siemens.com/pi)  
Order No. PIBR-00039-0322

This document contains a general description of available technical options only, and its effectiveness will be subject to specific variables including field conditions and project parameters. Siemens does not make representations, warranties, or assurances as to the accuracy or completeness of the content contained herein. Siemens reserves the right to modify the technology and product specifications in its sole discretion without advance notice.