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Process Instrumentation

New multichannel weighing terminal from Siemens

SIWAREX WT231-2: The new weighing terminal is a stand-alone package that is comprised of tried-and-tested Siemens components:

Flexible weighing electronics and user-friendly Siemens Touch Panel



The whole package – proven quality for flexible weighing technology

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

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 simultaneous when in the run mode but it's flexibility allows it to be customized to meet your 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 as display combined with excellent Siemens weighing technology enclosed in high-quality stainless steel



- Versatile weighing module – Comprehensive diagnostic functions, monitoring of limits, high resolution of up to +/- four million parts , high accuracy of 0.05%, measuring rate of 10 ms
- High-quality HMI Panel – 4-inch TFT widescreen display with 256 colors, screen resolution 480 × 272 px, touch-screen, 4 function keys
- Intuitive user interface – suitable for applications in the area of level measurement and platform scales
- Flexible connection – A flexible communication interface which supports Ethernet Modbus TCP/IP and RS484 Modbus RTU enables direct integration of the terminal in all conventional controller environments.
- High-quality material – With IP66 degree of protection, the high-quality stainless steel housing fulfills the typical industrial requirements

Standard Parameter	SIWAREX WT231-2
Weighing module	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)
Display	Siemens Touch Panel; 4 inch TFT
Enclosure Material	304 Stainless steel construction #4 brushed finish Stainless steel screws and clamps Seams continuously welded and ground smooth
Connections	1 power supply connection 1 ground connection Mounting brackets for wall mounting
Power supply	100...240 V AC ± 12%
Temperature range	Vertically mounted: 0 ... 104°F
Degree of protection	IP66

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