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Process Instrumentation

The new compact class for belt scale applications

SIWAREX WT241 not only has the right package, but also the right content:

User-friendly Siemens belt scale terminal with Siemens Touch Panel in stainless steel housing



usa.siemens.com/weighing

The flexible solution for belt scales in one package

The weighing terminal SIWAREX WT241 combines the proven quality of two Siemens components into one product: a powerful SIWAREX WP241 weighing module, and a Siemens Touch Panel with an application-specific user interface.

The control components used in the terminal stand-out on their own as individual products with exceptional quality:

- **SIWAREX WP241:** The high-resolution belt scale weighing module provides high accurate measurement with comprehensive functionality. Six independent totalizers provide the conveyed amount of material. A simulation mode for belt speed and load allows a complete application test - even without a connected scale and speed sensor. Digital in- and outputs are flexible and can be configured for various functions. The 0/4-20mA analog output signal can be linked either to the rate, load or speed of the system. An internal recovery point can be used for saving all settings of the system and restoring them at any time within seconds.

- **Siemens Touch Panel:** The 4-inch panel with TFT wide-screen color display offers a high screen resolution and enables use in very tight spaces without compromising functionality.

All settings and parameters for belt scale applications can be made via the user-friendly Siemens Touch Panel. The intuitive operation enables the user to perform fast parameter assignment and commissioning.

As a stand-alone solution, the SIWAREX WT241 can be used independently of the automation solution, making interaction fast and uncomplicated.

The RS485 Modbus RTU interface enables a direct integration of the terminal in all conventional controller environments.

With its enclosure made of stainless steel and a IP65 degree of protection the terminal can be used in a variety of industries: for food and beverage, pharmaceuticals and chemicals, but also for mining or cement production as well as in the steel industry.

The weighing terminal SIWAREX WT241:

High-quality components such as the Siemens Touch Panel combined with flexible Siemens belt scale weighing module packed in stainless steel



- **Flexible weighing module** –Simulation mode, intelligent speed detection, freely parameterizable digital in- and outputs, analog output, Pulse signal for remote totalizers, recovery function
- **High-quality HMI Panel** – 4-inch TFT widescreen display with 256 colors, screen resolution 480 × 272 px, touchscreen, 4 function keys
- **Intuitive user interface** – suitable for all kind of belt scale applications
- **Flexible connection** – Connection to all automation systems that support Modbus RTU protocol
- **High-quality material** – With IP65 degree of protection, the high-quality stainless steel housing fulfills the typical industrial requirements

Standard Parameter	SIWAREX WT241
Weighing module	SIWAREX WP241
• Resolution	Up to +/- 4 million parts
• Measuring rate/cycle	10 ms/100 Hz
• Load cell connection	6-wire connection Supply 5 V DC
• Interfaces	RS485 Modbus RTU 4 digital inputs (floating) 4 digital outputs (floating) 1 analog output (0/4...20 mA)
Display	Siemens Touch Panel; 4 inch TFT
Material of housing	Stainless steel 1.4301
Connections	3 M16 EMC safe cable gland for load cells 1 M20 EMC safe cable gland for load cells 4 16 mm drill holes with dummy plugs 1 power supply connection 1 ground connection Mounting brackets for wall mounting
Power supply	100...230 VAC ± 12% or 24V DC
Temperature range	Vertically mounted: 0 ... 104°F
Degree of protection	IP65
Dimensions (WxHxD)	10.4"× 7.3" × 3.7"
Weight	8.8 lbs
Article number	7MH4965-4AA01

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