7MH49654AA01

Industrial automation components

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Manufacturer	Siemens
Catalog number	7mh49654aa01
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Weighing Terminal
Product Family	SIWAREX
Enclosure Material	Stainless Steel (1.4301)
Included Components	SIWAREX WP241, SIMATIC KTP400 Basic Color PN
Power Supply	100-240 VAC
Protection Rating	IP65
Operating Temperature Range	0 to 40 degrees Celsius °C

Description

The Siemens 7MH49654AA01 SIWAREX WT241 Weighing Terminal is a high-performance device designed for precise weight measurement in industrial applications, particularly for conveyor belt scales and solids flowmeters.

This terminal integrates the SIWAREX WP241 weighing module with the SIMATIC KTP400 Basic Color PN touch panel, offering a comprehensive solution for accurate and reliable weighing operations. The device features a robust stainless steel enclosure (1.4301) with nine feed troughs, ensuring durability and protection in demanding environments.

It operates with a wide-range power supply of 100-240 VAC, accommodating various industrial power standards. The terminal is rated IP65, providing protection against dust and water ingress, and is suitable for ambient temperatures ranging from 0 to 40 degrees Celsius.

Key features include: - **High-resolution load cell signal processing**: Supports up to ±4 million parts, ensuring precise weight measurements. - **Flexible connectivity**: Equipped with four digital inputs (24 V DC), four digital outputs (24 V DC), one analog output (0/4 … 20 mA), and an RS 485

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interface with Modbus RTU protocol, facilitating seamless integration with various automation systems. - **Comprehensive diagnostics**: Offers detailed load cell diagnostics when used with the digital junction box SIWAREX DB (7MH5001-0AD20 or 7MH5001-0AD01), enhancing system reliability and maintenance efficiency. - **Intuitive user interface**: The 4-inch TFT widescreen color display provides clear and user-friendly operation, streamlining the setup and monitoring processes. - **Simulation mode**: Allows testing of belt speed and load without a connected scale and speed sensor, aiding in system validation and troubleshooting.

The SIWAREX WT241 is ideal for applications requiring precise weight measurement and integration with existing automation systems, offering a reliable and efficient solution for industrial weighing needs.