

Weighing technologies

Weighing and Dosing System Trainings



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For more than 50 years, Siemens has been active in the field of weighing technology. Siemens offers an optimal solution for both continuous and discontinuous weighing and dosing applications. Since a large variety of weighing applications are used in industrial production processes, reliable weight detection is crucial for cost and quality optimization of these processes.

When it comes to increasing productivity, efficiency, and sustainability in your processes, choosing the right weighing solutions can make a crucial difference. Experience user-friendly technology that seamlessly integrates into your workflow. Use digital advancements not just to measure your weighing process, but to master it.

The main training location is the Siemens Training Center Europe in Karlsruhe. In addition, we offer trainings at the customer's site. Given the limited number of participants, the courses provide room for the exchange of customer-specific topics alongside the regular program.

We are pleased to introduce a new offering: Interactive live online training with practical exercises transmitted via high-definition live streaming.

The trainings are conducted online via streaming, supported by interactive software. No recorded videos are used during the interactive live session. The aforementioned training content is demonstrated live by a trainer and the participants see and learn exactly the same content as in a face-to-face training. Of course, the interactive training offers the same benefits as classroom training: exchange with other course participants or clarification of questions.

This brochure provides an overview of the planned courses.

The prices stated include the course itself, the course documentation and catering during the event.

Other costs such as travel and accommodation expenses are not included. Prices are subject to the statutory value-added tax.

Please note that some courses require prerequisite for participation in follow-up courses.





Further information about our course programme can be found at:

<http://www.sitrain-learning.siemens.com/DE/en/rw80269/Weighing-and-Dosing-System>

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Course title	Classroom	Online	Content
		For further information scan QR code	
SC-WT-BEC		3 hours BAS 	<p>Basics Electronic Commissioning</p> <p>Combined practical and theoretical training for the adjustment of electromechanical scales with SIWAREX WP modules / Brief overview of Siemens weighing technology / SIWAREX electronics WP231, WP321 and WP521 / 522 ST / Adjustment of a scale with HMI and SIWATOOL V7 / Troubleshooting and -prevention / Online access to SIWAREX training devices via TeamViewer for hands-on exercises</p> <p>Requirement: Basic knowledge in Weighing Technology / Experience with electro-mechanical scales handling is beneficial / It is advantageous to attend the online training course "Basics Mechanical Commissioning" / Computer with Microsoft Teams and TeamViewer / Second screen is advantageous</p>
SC-WT-AEC		3 hours ADV 	<p>Advanced Electronic Commissioning</p> <p>Combined practical and theoretical training for the extended adjustment of an electro-mechanical scale with the SIWAREX WP modules WP231 and WP321 / Trace, zeroing, taring, creating a backup file, scale status, STEP7 programming in TIA Portal / Online access to SIWAREX training devices via TeamViewer for hands-on exercises</p> <p>Requirement: Basic knowledge in Weighing Technology / Experience with electro-mechanical scales handling is beneficial / It is required to attend the online training course "Basics Electrical Commissioning" / Computer with Microsoft Teams and TeamViewer / Second screen is advantageous</p>
SC-WT-BMC		3 hours BAS 	<p>Basics Mechanical Commissioning</p> <p>General information on electronic scales / Basics of weighing technology / How analog load cells work / Overview of the mechanical components of Siemens weighing technology / Combined practical and theoretical training for the optimal configuration of the SIWAREX load cells and the appropriate accessories for your weighing system / Troubleshooting and -prevention</p> <p>Requirement: Basic knowledge in Weighing Technology / Experience with scales handling is beneficial / Computer with Microsoft Teams</p>
SC-WT-BON		3 hours BAS 	<p>Basics of a Belt Scale</p> <p>Combined practical and theoretical training for belt scales / Overview of the various Siemens belt scales and speed sensors / Functions, configuration, sizing, installation and maintenance / Belt scale electronics WP241, WT241, BW500, SIWAREX FTC-B / Commissioning a belt scale</p> <p>Requirement: Basic knowledge of weighing technology / Experience in handling belt scales is an advantage / Computer with Microsoft Teams</p>
SC-WT-DON		3 hours BAS 	<p>Basics of Dosing with Siwarex WP351</p> <p>Combined practical and theoretical training for dosing weighing technology / Brief overview of the Siemens weighing technology portfolio / Commissioning of a weigh feeder system with SIWAREX WP351 using a web server and HMI</p> <p>Requirement: Basic knowledge of weighing technology / It is advantageous to attend the online training course "Basics of electronic commissioning" / Experience in handling dosing scales is an advantage / Computer with Microsoft Teams and TeamViewer / Second screen is of advantage</p>
SC-WT-BELE	2 days BAS 		<p>Weighing Technologies, Belt Scales, Weighfeeder</p> <p>Combined hands-on and theory training for belt scales / Overview belt scales and weighfeeders / Functions, configuration, dimensioning, installation and maintenance / Belt scales electronics WP241, WT241, BW500, SIWAREX FTC-B / Parameterization of belt scales with SIWATOOL (V4, V7), TIA Portal, SIMATIC HMI</p> <p>Requirement: Basic knowledge in Weighing Technology / Experience with belt scales handling is beneficial</p>

Course title	Classroom	Online	Content
	For further information scan QR code		
SC-WT-DOSE	3 days BAS 		<p>Weighing Technology for Dosing Scales Combined hands-on and theory training for dosing scales / Short overview on Siemens Weighing Technology / Basics for dosing scale systems / Design and structure of a dosing scale system with SIWAREX FTA and SIWAREX WP251 / Calibration of a dosing scale system with HMI, SIWATOOL (V4, V7) and TIA Portal / Integration into SIMATIC with TIA Portal / Troubleshooting</p> <p>Requirement: Basic knowledge in Weighing Technology / Experience with dosing scales handling is beneficial</p>
SC-WT-MECE	1 day BAS 		<p>Mechanical Weighing Technology Combined hands-on and theory training for static weighing technology / Short overview on Siemens Weighing Technology / General information on electronic scales SIWAREX load cells, mounting units and accessories / Calibration of a scale with HMI / Troubleshooting</p> <p>Requirement: Basic knowledge in Weighing Technology / Experience with electronic scales handling is beneficial</p>
SC-WT-FTCE	2 days BAS 		<p>SIWAREX Sensor System and Electronics FTC-L General information about the SIWAREX sensor system and its electronics. / Basics loss-in-weight system / Design and structure of a loss-in-weight system together with Siwarex FTC / Calibration of of a loss-in-weight system with Siwarex FTC / Integration into Simatic S7 and PCS7 / Troubleshooting</p> <p>Requirement: Knowledge in Weighing Technology, experience with weighing electronics SIWAREX FTC / Experience with SIMATIC S7 (products, programming)</p> <p>Note: The training schedule offers further training for static weighing and advanced training in static and dynamic weighing processes</p>
SC-WT-STAE	3 days BAS 		<p>Static Weighing Technology Combined hands-on and theory training for static weighing technology / Short overview on Siemens Weighing Technology / General information on electronic scales / SIWAREX load cells and accessories SIWAREX electronics U, CS, WP231, WT231, WP321 and WP521/522 ST / Calibration of a scale with HMI, SIWATOOL (V4, V7) and TIA Portal / Troubleshooting / Integration into SIMATIC</p> <p>Requirement: Basic knowledge in Weighing Technology / Experience with scales handling is beneficial</p>

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