



PROCESS INSTRUMENTATION





Start-up and Commissioning Services - What to expect

usa.siemens.com/pisupport

Ever wondered what to expect before making an important investment? Do you want to make sure that you're in goodhands? Well, now you know exactly what you'll get and who you're getting it from. At Siemens Process Instrumentation our highly-skilled staff of trained engineers and specialists will provide excellent start-up services on any new Siemens process instruments, so you can rest assured that your instrumentation is performing to your expectations.

We know it is important to fully understand how our services work. That is why we have put together a comprehensive list of instruments and services to help make your decisions easier.

Specific services to expect

Flow measurement	Flow Measurement	Level measurement	Weighing
Clamp-on Ultrasonic	Electromagnetics	Radar & Ultrasonic	Weighfeeders
			
<ul style="list-style-type: none"> • What to expect with ultrasonic clamp-on flow meters • Pipe preparation (cleaning of surfaces for sensor installation) • Termination of sensor coaxial cables • Installation of mounting hardware and sensors • Check and calibrate all outputs in use • Confirmation of flow indication • Download of site set up data and signal quality using SiWare data collection software 	<ul style="list-style-type: none"> • What to expect with magnetic flow meters • Inspect sensor tube for visible damage • Confirm proper hydraulic installation • Examine grounding ring terminations • Inspect sensor tube wiring • Inspect resistance of wiring • Check for error messages in the transmitter 	<ul style="list-style-type: none"> • What to expect with level products (radar & ultrasonic) • Check and clean nozzle installations (if applicable) • Verify aiming (adjust if necessary) on solid applications • Confirm level measurement • Check signal strength, echo confidence and noise levels • Examine transducer/horn/rods for material build-up • Record echo profiles (if applicable) 	<ul style="list-style-type: none"> • What to expect with weighing • (belt scales & solid flow meters) • Verify the operation of conveyor components that affect the scales performance • Check speed sensor installation (belt scale) • Verify solid flow meter is level. • Confirm the scale is properly located in the conveyor • Program scale integrator • Simulated load calibration (test weights) of the scale system • Test scale repeatability under simulated load conditions
<p>› More information: www.usa.siemens.com/flow</p>	<p>› More information: www.usa.siemens.com/flow</p>	<p>› More information: www.usa.siemens.com/level</p>	<p>› More information: www.usa.siemens.com/weighing</p>

The instruments we service:

Flow Meters

- Clamp-On Ultrasonic: Transit-time
- Magnetic: AC DC and battery powered
- Coriolis
- Open Channel Flow

Level Devices

- Non-contact and contact Radar
- Ultrasonic: Controllers, Transducers and Transmitters
- Mechanical point level

Weighing Systems

- Belt Scales and Integrators
- Solid Flow Meters
- Weigh feeders

General services

All services are according to factory guidelines and safe engineering practices. Verification of proper operation, calibration programming and software installation provide long term, trouble free measurement from your instruments backed by our extended warranty. No matter which technology you're looking for, we provide these important services for you and your team:

- Survey the application to ensure a proper installation
- Inspect for damages around your devices
- Confirmation and correction of power and signal wiring
- Verification and programming of your device parameters for each application
- 12 month extended warranty

What we need from you

In order to provide you with the best possible service, we need you to give us advanced information about the job site and requirements in addition to admittance and access to areas containing the equipment. Our engineers and specialists will come prepared with personal protective wear, but any additional equipment such as ladders, lifts, harnesses, and other requirements must be provided by you. In addition, if your site requires training or security requirements this must be communicated prior to arrival.

How to schedule your start-up

We request two weeks notice to schedule your start-up. Please verify that the devices have been properly installed before our staffs arrival onsite.

Contact your channel partner for more information:

Legal Manufacturer

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 100 Technology Drive
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 Order No. PIFL-00088-0721

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