

## SINAMICS G150 / G130 / S150 - Diagnostics and Service (DR-G15-DG)

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### Type

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Instructor-led Learning

### Duration and Continuing Education Units (CEU)

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4.5 Days  
3 CEUs

### Target Group

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- Engineer
- Maintenance

### Short Description

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This course is for engineering and maintenance personnel responsible for installing, maintaining, and troubleshooting drive systems that utilize the SINAMICS G130/G150 Drive

This course is intended to provide knowledge and skills related to the SINAMICS G130/G150 drive as it pertains to commissioning, operation, configuration, maintenance, diagnostics, and troubleshooting. It is formatted as a combination of instruction and carefully structured, hands-on exercises aimed at developing job related knowledge and skills.

### Objectives

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- Locate modules, terminals, options, and features of the SINAMICS G130/G150
- Commission the Drive with AOP30 and SINAMICS STARTER
- Perform all required Drive optimizations
- Take local control of a drive using the AOP30 and the STARTER Control Panel
- Upload, back-up, and download projects to the Drive system
- Firmware Upgrade/Downgrade
- Compare and analyze parameter files
- Configure Analog, Digital, and Comm. I/O
- Configure, Trace, and Evaluate BICO connections in the drive control logic
- Configure common Drive Functions
- Evaluate drive system performance using the trace function
- Evaluate operating states, alarms and fault codes

### Content

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- Drive construction, options, and features
- SINAMICS STARTER
- Commissioning
- Drive Functions
- Diagnostics and Troubleshooting
- Maintenance and Repair
- Integration into an Automation System

## Language

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English

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