

# Performance Profile Sheet



Craft: Instrumentation Level Three, 3rd Ed.

Module: 12207-16

Module Title: Control Valves, Actuators, and Positioners

TRAINEE NAME: \_\_\_\_\_

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

## Rating Levels:

(P) Passed: performed task

(F) Failed: did not perform task

Be sure to list the date the testing for each task was completed.

## Recognition:

When testing for the NCCER Training Program, record performance testing results and submit completion dates through NCCER's online Testing System.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
1	Install a positioner on a control valve.				
1	Locate bridgewall markings on a globe valve and determine the stem and packing orientation.				
1	Identify different actuators and positioners from instructor-provided drawings or during a field survey.				

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**Signatures:**

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Candidate/Trainee: \_\_\_\_\_ Date: \_\_\_\_\_

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# Performance Profile Sheet



Craft: Instrumentation Level Three, 3rd Ed.

Module: 12205-16

Module Title: Detectors, Secondary Elements, Transducers, and Transmitters

TRAINEE NAME: \_\_\_\_\_

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

## Rating Levels:

(P) Passed: performed task

(F) Failed: did not perform task

Be sure to list the date the testing for each task was completed.

## Recognition:

When testing for the NCCER Training Program, record performance testing results and submit completion dates through NCCER's online Testing System.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
2	Identify various thermocouple types using a multifunction calibrator and a calibrated heat source.				
2	Identify at least three instructor-chosen thermocouples by color code.				
4	Connect a communication device to a smart transmitter and document the existing settings.				

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# Performance Profile Sheet



Craft: Instrumentation Level Three, 3rd Ed.

Module: 12305-16

Module Title: Instrumentation Electrical Circuitry

TRAINEE NAME: \_\_\_\_\_

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

## Rating Levels:

(P) Passed: performed task

(F) Failed: did not perform task

Be sure to list the date the testing for each task was completed.

## Recognition:

When testing for the NCCER Training Program, record performance testing results and submit completion dates through NCCER's online Testing System.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
1	Calculate the resistance range of three resistors using their color bands. Using a multimeter, measure the actual resistance of each resistor and determine if it is within the specified tolerance.				
1	Connect three resistors in series and calculate the total nominal resistance using the color bands and the appropriate formula. Using a multimeter, measure the actual total series resistance and compare it to the calculated value.				
1	Connect three resistors in parallel and calculate the total nominal resistance using the color bands and the appropriate formula. Using a multimeter, measure the actual total parallel resistance and compare it to the calculated value.				

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# Performance Profile Sheet



Craft: Instrumentation Level Three, 3rd Ed.

Module: 12208-16

Module Title: Relays and Timers

TRAINEE NAME: \_\_\_\_\_

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

## Rating Levels:

(P) Passed: performed task

(F) Failed: did not perform task

Be sure to list the date the testing for each task was completed.

## Recognition:

When testing for the NCCER Training Program, record performance testing results and submit completion dates through NCCER's online Testing System.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
1	Select and connect various types of relays and timers to create a functional circuit as directed by the instructor.				

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# Performance Profile Sheet



Craft: Instrumentation Level Three, 3rd Ed.

Module: 12209-16

Module Title: Switches and Photoelectric Devices

TRAINEE NAME: \_\_\_\_\_

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

## Rating Levels:

(P) Passed: performed task

(F) Failed: did not perform task

Be sure to list the date the testing for each task was completed.

## Recognition:

When testing for the NCCER Training Program, record performance testing results and submit completion dates through NCCER's online Testing System.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
1	Select and connect various switches into a functional circuit as directed by the instructor.				
1	Select and connect various photoelectric devices into a functional circuit as directed by the instructor.				

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# Performance Profile Sheet



Craft: Instrumentation Level Three, 3rd Ed.

Module: 12307-16

Module Title: Terminating Conductors

TRAINEE NAME: \_\_\_\_\_

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

## Rating Levels:

(P) Passed: performed task

(F) Failed: did not perform task

Be sure to list the date the testing for each task was completed.

## Recognition:

When testing for the NCCER Training Program, record performance testing results and submit completion dates through NCCER's online Testing System.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
1	Physically distinguish between various types of cable, including twisted-pair, non-twisted-pair, and coaxial.				
2	Terminate conductors using crimp connectors.				
2	Terminate shielded cable.				
2	Install a coaxial cable connector.				
3	Test a cable using telephones.				
3	Inspect a cable for defects and classify any defects found.				

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# Performance Profile Sheet



Craft: Instrumentation Level Three, 3rd Ed.

Module: 12306-16

Module Title: Grounding and Shielding of Instrumentation Wiring

TRAINEE NAME: \_\_\_\_\_

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

## Rating Levels:

(P) Passed: performed task

(F) Failed: did not perform task

Be sure to list the date the testing for each task was completed.

## Recognition:

When testing for the NCCER Training Program, record performance testing results and submit completion dates through NCCER's online Testing System.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
1	Identify and explain the function of an equipment ground identified in an instructor-provided drawing.				
2	Draw an example of a ground loop.				
2	Identify and explain the function of an equipment shield in an instructor-provided drawing.				

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# Performance Profile Sheet



Craft: Instrumentation Level Three, 3rd Ed.

Module: 12204-16

Module Title: Process Control Theory

TRAINEE NAME: \_\_\_\_\_

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

## Rating Levels:

(P) Passed: performed task

(F) Failed: did not perform task

Be sure to list the date the testing for each task was completed.

## Recognition:

When testing for the NCCER Training Program, record performance testing results and submit completion dates through NCCER's online Testing System.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
1	Draw and accurately label a block diagram for a basic process control loop.				
2	From a piping and instrumentation drawing (P&ID), identify the major components of each of these process control loop types:				
	• Feedforward				
	• Feedback				
	• Cascade				
	• Ratio				

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# Performance Profile Sheet



Craft: Instrumentation Level Three, 3rd Ed.

Module: 12206-16

Module Title: Controllers

TRAINEE NAME: \_\_\_\_\_

TRAINING PROGRAM SPONSOR: \_\_\_\_\_

INSTRUCTOR: \_\_\_\_\_

## Rating Levels:

(P) Passed: performed task

(F) Failed: did not perform task

Be sure to list the date the testing for each task was completed.

## Recognition:

When testing for the NCCER Training Program, record performance testing results and submit completion dates through NCCER's online Testing System.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
1	Given a schematic for a pneumatic controller, explain the purpose and operation of all major components.				
1	Given a block diagram of an electronic controller, explain the function of each block.				

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