

MERLOT – SKILLSCOMMONS Peer Reviewer Report Form (V 52218)

<b>Name of Learning Material:</b>	Hybrid PLC Mechatronics - Chapter 10 Sensors, Safety, Analog and Troubleshooting
<b>SKILLSCOMMONS URL:</b>	<a href="https://www.skillscommons.org/handle/taaccct/18772">https://www.skillscommons.org/handle/taaccct/18772</a>
<b>Learning Material URL:</b>	<a href="https://hybridplc.org/wp-content/uploads/labs9_S.pdf">https://hybridplc.org/wp-content/uploads/labs9_S.pdf</a> , <a href="https://hybridplc.org/wp-content/uploads/labs10_S.pdf">https://hybridplc.org/wp-content/uploads/labs10_S.pdf</a> , <a href="https://hybridplc.org/wp-content/uploads/chap">https://hybridplc.org/wp-content/uploads/chap</a> <a href="https://www.youtube.com/watch?v=2fh6lF-gfBA">https://www.youtube.com/watch?v=2fh6lF-gfBA</a>
<b>Reviewer's Name:</b>	
<b>Date Review Completed:</b>	
<b>Review Time Required:</b>	
<b>Rejected? Y/N</b>	
<b>Description</b>	<p>We now look outside the control panel at devices and methods of design that affect the design of the PLC and the overall project. Included in this chapter are sensors, a separate study of safety of the machine and the operator, machine vision, bar-code and RFID, analog signal acquisition, troubleshooting techniques and diagnostic circuits.</p> <p>Analog signal handling was reviewed and program statements to provide signal conditioning were given.</p> <p>Accompanying Video:            PLC Series Chapter 10 - Sensors, Safety, Analog and Troubleshooting (1:44:51)            Hybrid Lab Text:            Ch. 9 – Thumbwheel Switch            Ch. 10 – Generating Energy from Bike (see Additional Public Access to Materials below)</p> <p>Online Course Module</p>
<b>1. Overview:</b> Describe overview, features and descriptions, uses, and applications. Include cost, if any for apps	
<b>2. Type of material:</b> Animation, assessment tool, assignment, case study, collection, development tool, drill and practice, e-portfolio, learning object repository, online course, open journal article, open textbook, presentation, reference material, simulation/game, social networking tool, quiz/test, tutorial, workshop and training material.	
<b>3. Technical requirements:</b> Browser, software or plug-in, Java, HTML, Flash, etc. You can test how it appears on Internet Explorer at <a href="http://pinfo.info/netrenderer/">http://pinfo.info/netrenderer/</a> Note type of device if it is an app (iPad, Android, phone, etc.)	
<b>4. Identify major learning goals/ curriculum objectives:</b> Purpose of site, goal for learner/user.	
<b>5. Recommended uses:</b> In-class, homework, individual, team, lecture, etc.	
<b>6. Target population:</b> Level, course or subject matter, other user groups	
<b>7. Prerequisite knowledge or skills needed:</b> Course or subject matter, computer skills, other miscellaneous skills	
<b>8. Application to industry recognized certification:</b> Name of credential or certification.	

**Evaluation and Observations:** After reviewing the learning material, please indicate your agreement with the following statements by utilizing the scoring scale:  
 4=Strongly Agree; 3=Agree; 2=Disagree; 1=Strongly Disagree; and 0=N/A.

#1 Quality of Content – The Learning Material...	Strongly Agree: 4	Agree: 3	Disagree: 2	Strongly Disagree: 1	N/A: 0	TOTAL
...is clear and concise						4
...provides a complete demonstration of the concept						4
...demonstrates a core concept grounded in the discipline						4
...is current and relevant						4
...is supported by appropriate research						4
...is self-contained (can be used without requiring an assignment or context)						4
...provides accurate information						3
...is flexible (can be used in several situations)						3
...includes an adequate amount of material						4
...has strong workplace relevance						4
...integrates the concept well						4
Overall, the quality of the content is very high						4
<b>Total: #1 Quality of Content</b>						<b>46</b>

#2 Potential Effectiveness as a Teaching Tool/This Learning Material...	Strongly Agree: 4	Agree: 3	Disagree:2	Strongly Disagree: 1	N/A: 0	TOTAL
...identifies learning objectives						4
...identifies prerequisite knowledge						4
...reinforces concepts progressively						4
...builds on prior concepts						4
...demonstrates relationships between concepts						3
...is easy to integrate into curriculum assignments						4
...is very efficient (could learn a lot in a short time)						3
...can be used to measure student learning outcomes						4
Overall, learning material is a very effective teaching tool						4
<b>Total: #2 Effectiveness as Teaching Tool</b>						<b>34</b>

#3 Ease of Use – This Learning Material...	Strongly Agree: 4	Agree: 3	Disagree: 2	Strongly Disagree: 1	N/A: 0	TOTAL
...is easy to use						3
...has very clear instructions						4
...is engaging						4
...is visually appealing						4
...is interactive						4
...is of high design quality						4
...meets accessibility requirements if able to assess						4
...if an app, can be used on multiple types of mobile devices and platforms						3
<b>Total: #3 Ease of Use</b>						<b>30</b>

<b>Combined TOTAL scores (add together the totals as indicated above for #1, #2, #3)</b>	<b>110</b>
<b>Optional Information:</b>	
<b>Other comments to be included in the review:</b> (If an app, respects privacy of user, meets PG rating standards, how frequently app is updated)	
<b>Comments to author only:</b> (Any needed improvements or recommendations should be addressed here.)	

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