### E6.6.1

COM3LAB MULTIMEDIA: AUTOMATION

#### E6.6.1.1
Basics of Automation Technology

#### E6.6.1.2
Pneumatics Board

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<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Description</th>
<th>E6.6.1.1</th>
<th>E6.6.1.2</th>
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<tbody>
<tr>
<td>700 3101</td>
<td>COM3LAB Course: Automation and Bus Technology</td>
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<tr>
<td>700 020</td>
<td>COM3LAB: Master Unit</td>
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<tr>
<td>700 022</td>
<td>Set of Safety Cables (2 mm, 16 Qty., 6 x 30 cm &amp; 10 x 15 cm)</td>
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<td>688 129</td>
<td>Main cable with hook-proof plug and cold connector</td>
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<td>700 00CBT</td>
<td>DVD: COM3LAB Software</td>
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<tr>
<td>728 871</td>
<td>Software: E Models CBS 9 (single user)</td>
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<tr>
<td>728 872</td>
<td>Software: E Models CBS 9 (license for 25 places)</td>
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<td>720 4313</td>
<td>Bus connecting plug RS 485</td>
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<td>524 01652</td>
<td>Profi-CASSY Starter 2</td>
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<td>700 027</td>
<td>COM3LAB: Suitcase</td>
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<td>700 3501</td>
<td>COM3LAB Course: Electro Pneumatics</td>
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<td>700 351</td>
<td>COM3LAB: Pneumatics Board</td>
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<td>744 600</td>
<td>Low-noise Compressor</td>
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<tr>
<td>744 902</td>
<td>Compressor Connection Housing</td>
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</table>

* additionally recommended

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**Automation and Bus Technology**

The COM3LAB course Bus and Automation technology teaches the basics of programmable logic controllers (PLC) and shows their interconnection including sensors and actuators using the PROFIBUS. With many examples, explanations, exercises and practical tasks, the basic principles and functions of the PLC and the PROFIBUS are clearly illustrated.

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The combination with external PROFIBUS components or an external system simulator enables the processes in the bus and automation technology to be illustrated and tracked as accurately as possible and without any great amount of effort.

**Topics**
- Motor control
- Traffic light control
- etc.

**Pneumatics**

The COM3LAB course Electropneumatics teaches the basics of electropneumatics using the BIBB standard tasks.

The COM3LAB course Automation technology explains the function and application of a PLC. Several examples make it easy to learn the PLC computer language.

Both courses can be combined so that complete process cycles can be executed and documented. This kind of project work supports independent and creative handling.

**Topics**
- Function and use of electronic and pneumatic components
- Electronic and pneumatic schematics
- etc.

Experiments are operated and evaluated with COM3LAB CBT.