



Digital Technology (E6.5.1.2)

Cat. No.	Description	E6.5.1.2
700 1701	COM3LAB Course: Digital Technology I	1
700 1801	COM3LAB Course: Digital Technology II	1
700 020	COM3LAB: Master Unit	1
700 022	Set of Safety Cables (2 mm, 16 Qty., 6 x 30 cm & 10 x 15 cm)	2
688 129	Mains cable with shock-proof plug and cold connector	1
700 00CBT	DVD: COM3LAB Software	1
700 027	COM3LAB: Suitcase	1*
	additionally required: 1 PC with Windows 7/8/10	

\* additionally recommended

### Digital Technology I

In the course Digital Technology I the bases and laws of switch algebra are dealt with using logic links.

#### Topics

- TTL components (AND, OR, XOR)
- Link of binary inputs
- Basic laws
- etc.

### Digital Technology II

In the course Digital Technology II various flip-flop applications, e.g. shift registers, parallel-serial converters or the serial data transmission are dealt with. Both courses deal extensively with troubleshooting.

#### Topics

- Flip-flop (RS, JK, D)
- Binary mat
- Forward and reverse counter
- etc.

Experiments are operated and evaluated with COM3LAB CBT.

### E6.5.1

#### BASICS OF OPEN LOOP CONTROL

##### E6.5.1.2 Digital Technology