



Basic equipment
UniTrain-I Interface

UniTrain-I storage case

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UniTrain-I Experimenter UniTrain-I measurement accessories Si O - Set of shunts - Connection cables - Connecting plugs

SO4203-2Y

SO4203-2A

SO4203-2B

SO4203-2J

Extended power supply SO4203-2D UniTrain-I Experimenter SO4203-2B Probe 10:1/1:1 LM9036

## equipment

Digital multimeter

To make use of the IR-interface of the multimeter we recommend an additional experimenter

UniTrain-I experimenter

## **Unified** System Course and Equipment Overview

T g	9 <sub>9</sub>	Automatic control technology	PID	Measurement technology	/N / / M	Microcomputer technology		Automation technology	<b>₽ ₽</b> ø\$	Trans
20	Supplement to SO4204-9W Complex antenna systems SO4204-9X Microstrip technology SO4204-9Y Introduction to DSP SO4204-6P Supplement to SO4204-6P Applied DSP SO4204-6Q In preparation Active filters SO4204-9B In preparation Signal generators SO4204-9C	technologyPractical introduction to closed-loop control SO4204-8EAnalysis of control loops SO4204-8FSupplement to SO4204-8F Controller design & optimisation SO4204-8GSupplement to SO4204-8G WINFACT software, numeric and Fuzzy control SO6001-5QServo motor technology SO4204-8H	0	technologyMeas. of electrical variablesV, I, P, cos phi, fSO4204-8AMeas. of non-electrical variablestemperature, pressure, forceSO4204-8BMeas. of non-electrical variablesdisplacement, angle, speedSO4204-8CRLC measurementsSO4204-8D	0 0 0	technology Fundamentals of computer technology SO4204-6H Supplement to SO4204-6H Applications and programming SO4204-6J	0	Compact automation: PLC and bus technology SO4204-8N PLC model lift application SO4204-8T Sensors for automation SO4204-8U Pneumatics / Electropneumatics SO4204-8V Process technology: Compact station SO4204-3E Process technology: Mixing station SO4204-3F In preparation Process technology: Filling station SO4204-3G In preparation Process technology: Compact station SO4204-3G In preparation Process technology: Contained the station SO4204-3G		Transt   SO420   Transt   SO420   Sortir   SO420   Sortir   SO420   Assen   SO420   Proce   SO420   Testin   SO420   Hand   SO420   Stora   SO420   Buffe

¥ T	Digital technology		Project work		Component kits		
	Gates and flip-flops		Breadboard with set of cables	s SO4203-2C	DC technology	SO4204-1A	
	SO4204-6A		Proto printed circuit board,	SO4201-2L	AC technology	SO4204-1D	
	Sequential circuits	<b>X</b>	Circuit cimulation		Rectification	SO4204-1G	
	504204-60		software NI Multisim	SO2002-2A	Transistor switch	SO4204-1K	
	Application circuits				Three-phase technology	SO4204-1N	
		5			Electronic components	504204 24	
	SO4204-6F				Electronic components	304204-ZA	
					Transistor circuits	SO4204-2D	
					Operational amplifiers	SO4204-2G	
			L		Signal generation	SO4204-2K	
			)		Digital technology	SO4204-2P	
					DC motor	SO4204-2Q	

LM2330

SO4203-2B

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<b>r system with DC drive</b> -8K	(
r system with three-phase o -8L	drive (
<b>subsystem</b> -8M	(
<b>ly subsystem</b> -80	(
<b>subsystem</b> -8P	(
<b>subsystem</b> -8Q	(
<b>g subsystem</b> -8R	(
<b>subsystem</b> -85	(
<b>i subsystem</b> -8W	(
ng subsystem -8X	(

Automotive technology	¥4
<b>DC and AC circuits in vehicles</b> SO4204-7A	
Electronics and digital technology in vehicles SO4204-7B	
Pulse generation and ignition systems SO4204-7C	
Alternator / three-phase generator SO4204-7D	00
LIN bus SO4204-7E	0
Sensors in motor vehicles SO4204-7F	0
In preparation <b>Communication with RFID</b> SO4204-7G	
Optical data buses for automotive applications SO4204-7H	
<b>PWM in automotive engineering</b>	0

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<b>CAN bus</b> SO4204-7K	0
<b>Hybrid automotive drives</b> SO4204-6V	00
Common Rail Diesel injection system SO4204-6X	
Airbag SO4204-6Z	0
Traction control systems: ABS, TCS, ESP SO4204-6W	
Fuel cell technology SO4204-6M	
Solar technology in vehicles SO4204-6N	
FlexRay SO4204-6Y	
In preparation <b>Keyless entry</b> SO4204-6G	0

