



Building Blocks For Life



fischertechnik 



MOTOR SET XS

Thanks to the compact measurements, this motor can be installed almost anywhere. In addition to the building blocks, gearbox parts and toothed gears, the set also contains a safety battery tray for 9V block batteries (battery not included) with integrated pole-reversing switch.

- Performance data: Voltage 9V \approx , max. output 1,0 W at 5000 RPM

Available as of fall 2009

Components:	40	Dimension (mm):	225x65x150
Item No.:	505 281	Vol (m³):	0,0022
EAN:	4048962069426	Weight:	250 g



MOTOR SET XM

High performance geared motor in compact plastic casing with numerous possibilities for attachments. With many toothed gears, axles and gearbox parts.

- Performance data: Voltage 9V \approx , max. output 1.8 W at about 250 RPM
- Additionally required is Accu Set or Power Set

Available as of summer 2009

Components:	30	Dimension (mm):	225x65x150
Item No.:	505 282	Vol (m³):	0,0022
EAN:	4048962069433	Weight:	300 g



POWER SET

Power unit and infinitely variable control unit. The power supply from the electrical socket for all fischertechnik models.

- Performance data: 9V \approx , 1000 mA

Available as of summer 2009

Components:	Power unit + control unit in one	Dimension (mm):	225x65x150
Item No.:	505 283	Vol (m³):	0,0022
EAN:	4048962069440	Weight:	650 g

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Learn about technology while playing.



ECO TECH

"Renewable energies" will become our most important suppliers of energy in the future. The production, storage and use of electricity from natural energy sources such as water, wind and the sun are graphically illustrated using various models and numerous experiments. This is the way to create an understanding of the future energy forms. The hydro cell kit offers an ideal addition. With this expansion construction set, you can build several models and operate them with a fuel cell.

Available as of fall 2009				
Components:	250	Dimension (mm): 465x80x320 Vol (m³): 0,0119 Weight: 1400 g		
Models:	8			
Item No.:	505 284			
EAN:	4048962069457			

- Includes the didactic activity booklet, "Renewable Energies"
- Includes solar motor, solar module (1.2 V; 440 mA) and "Gold Cap" energy storage unit.

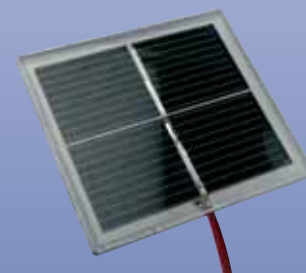


HYDRO CELL KIT

How does a fuel cell work? How can you produce hydrogen with it? This construction set provides knowledge for all areas associated with this exciting topic. With the fuel cell and the additional solar module, interesting additional models can be built in connection with the construction set, "Eco Tech". The didactic activity booklet offers assistance. All of your questions are answered. (NOTE: The "Eco Tech" item No. 505 284 is absolutely required for operation.)

Available as of fall 2009				
Components:	30	Dimension (mm): 225x65x150 Vol (m³): 0,0022 Weight: 530 g		
Models:	4			
Item No.:	505 285			
EAN:	4048962069464			

- Includes the didactic activity booklet, "Energy from Hydrogen"
- Includes reversible fuel cell with integrated hydrogen storage unit, solar module (1.2 V; 440 mA)



ROBO TX CONTROLLER

The controller with 32-bit processor, display, high storage capacity and with compact casing (90x90x15mm) offers numerous attachment possibilities on five sides. With integrated Bluetooth radio interface (2.4 GHz, range about 10 m). Several "ROBO TX Controller" can be coupled together.

- 32-bit ARM 9 processor (200 MHz)
- Storage capacity: 8 MB RAM, 2 MB flash
- Weight only 90g
- 8 Universal inputs: Digital, analog 0-9V DC, analog 0-5kΩ
- 4 fast counting inputs: Digital, frequency up to 1kHz

Available as of spring 2009		
Item No.:	500 995	Dimension (mm): 225x65x150 Vol (m³): 0,0022 Weight: 375 g
EAN:	4048962003826	

- 4 motor outputs, 9V, 250mA: Speed infinitely variable, short circuit proof, alternatively 8 individual outputs
- 2 expansion connections: I²C and RS 485 for coupling of additional ROBO TX controllers
- Display: 128x64 pixel, monochrome
- USB interface: USB 2.0 (1.1 compatible), max. 12 MB, including mini-USB socket connector
- Programmable with "ROBO Pro Software" or C compiler (not included)
- Includes USB connection cable.
- Additionally required is Power Set or Accu Set



Display 128x64 Pixel

Mini-USB

[USB 2.0, USB 1.1, 12 MBit]

Expansion connections
I²C and RS 485

[For additional ROBO TX Controller]

8 Universal inputs

Expansion connections
I²C and RS 485

[For additional ROBO TX Controller]

4 Motor outputs

Many attachment possibilities

4 Fast counting inputs

32-bit ARM 9 Processor (200 MHz)
Capacity: 8 MB RAM, 2 MB Flash
Weight: nur 90g



ROBO TX TRAINING LAB

Computing beginner construction set with everything you need for this: Consisting of 200 components for the building of six mobile robot models, for example, driverless transport system, obstacle detector and trail searcher etc., two encoder motors for exact positioning, "Motor XS", infrared trail sensor, two sensing devices. It also includes the new compact and powerful "ROBO TX Controller" with Bluetooth radio interface, 32-bit processor (200 MHz), eight universal inputs and 8 MB RAM (2 MB flash), including software "ROBO Pro" for programming. The extensive accessories provide many possibilities for creativity.

Available as of summer 2009				
Components:	200	Dimension (mm): 465x80x320 Vol (m³): 0,0119 Weight: 2850 g		
Models:	6			
Item No.:	505 286			
EAN:	4048962069471			

- Includes the didactic activity booklet, "Programing and Control of fischertechnik Robots with the PC."
- Includes "ROBO TX Controller"
- Includes control software, "ROBO Pro"
- Includes 2 each encoder motors, "Motor XS", infrared trail sensor, 2 each sensing devices
- Additionally required is Accu Set

