# SIGMATEK

# STARTER KIT
## SSK 002-1

## SIMPLE START INTO THE FUTURE OF AUTOMATION

**With the starter kit, we provide you with the perfect introduction into the automation world of SIGMATEK. You will get to know our modular control system with comfortable programming. Our high-performance controls in compact format can be flexibly expanded into economical system solutions – including Safety and motion control.**

We transfered the modularity of our complete automation solution to the SSK 002-1 starter kit: It consists of the basic control unit TSY 021 in combination with an HMI and motion expansion. You can also order the units individually based on requirements. With the object-oriented engineering tool LASAL, programming or project development is fast, clear and comfortable. A big plus: Once-created program components (machine functions) can be easily reused.

## LASAL: ALL-IN-ONE ENGINEERING TOOL

With object-oriented programming (OOP), you achieve the highest modularity, clarity and reusability. Using software objects, machine functions can be displayed and modularly combined as in a toolkit system. Graphic representation provides a quick overview of the project interrelationships – even with complex applications. An extensive function library is available. This simplifies and accelerates engineering enormously.
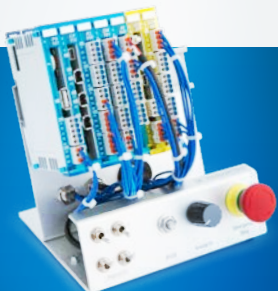
SSK 002-1
€ **1,980**\*
net

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### TSY 021 — STARTER KIT BASIC

**STANDARD AND SAFETY CONTROL**

- High-performance EDGE2 CPU (CP 112 + PS 101)
- Power supply module KL 090
- DM 161 (8 digital inputs; 8 short-circuit proof, digital outputs)
- AI 043 (4 analog resistance or temperature inputs)
- Safety controller SCP 111
- SDM 081 (6 safe, digital inputs; 2 safe, digital outputs)
- 4 toggle switches (simulation of digital inputs)
- 1 potentiometer & PT100 temperature sensor each (simulation of analog inputs)
- 1 emergency stop button
- Power supply and Ethernet connector cable

**Art. No. 12-100-021**

€ **705**\*
net

### TSY 033 — STARTER KIT HMI EXPANSION

**VISUALIZE, MONITOR AND OPERATE WITH COMPACT PANEL**

- ETT 764 multi-touch operation panel (7" wide screen, projected capacitive)
- EDGE3-Technology processor
- 3x USB 2.0, 2x Ethernet
- Data exchange with TSY 021 via Ethernet/TCP IP
- Ethernet connector cable

**Art. No. 12-100-033**

€ **620**\*
net

### TSY 041 — STARTER KIT MOTION EXPANSION

**IMPLEMENTING SIMPLE AXIS APPLICATIONS**

- VI 021 VARAN bus connection for communication with TSY 021
- Power supply module KL 090
- DM 081 (4 digital inputs; 4 short-circuit proof, digital outputs)
- 2x DC 062 servo axis module for control of servo motors with incremental encoder, enable input (STO), output for control of the motor holding brake
- 4 toggle switches (simulation of digital inputs)
- 2 synchronous servo motors
- Power supply and Ethernet connector cable

**Art. No. 12-100-041**

€ **830**\*
net

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### SSK 002-1 FULL SET

- consists of: TSY 021, TSY 033, TSY 041 in a practical carrier and storage case

**Art. No. 12-100-002-1**

SET PRICE
€ **1.980**\*
net

**Order now:**
**starterkit@sigmatek-automation.com**

**www.sigmatek-automation.com**