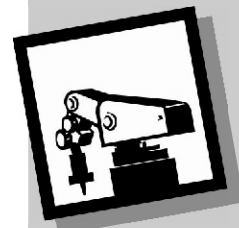
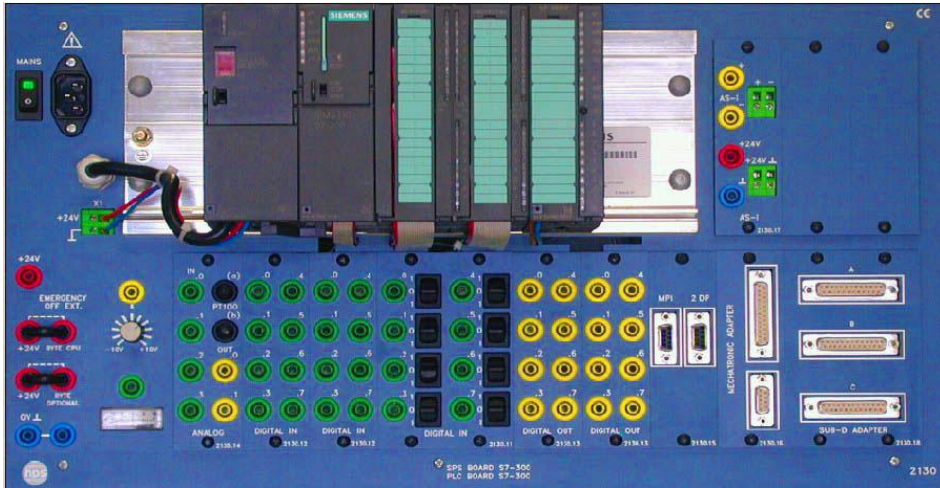


Automation Technology / PLC



SPS BOARD
S7-300

Type 2130



Example of the configuration Type 2130.0000

Built in components:

Power supply 24 V DC / 2 A Alternatively: Power supply 24 V DC / 5 A

CPU 313C Alternatively: CPU 314C-2DP

Micro Memory Card

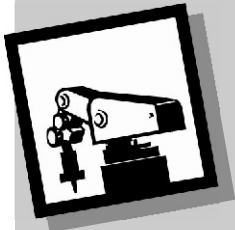
AS-i module CP 343-2

AS-i power supply (built in)

- Programming and commissioning of a PLC (Siemens S7-300)
- Programming according to international standard IEC 1131-3
- Modular assembling; to your own requirement
- Expandable with additional input and output modules
- For direct connection to mechatronic applications
- For use with control and process simulations i.e. PLC INTERFACE BOARD (Type 3815)

Mechanical Data

- **Material of the front panel:** Laminate (5 mm), matt blue
- **Rear front:** Grey plastic cover (angled)
- **Dimension:** 532 x 297 x 210 mm (w x h x d)
- **Weight:** approx. 4.1 kg



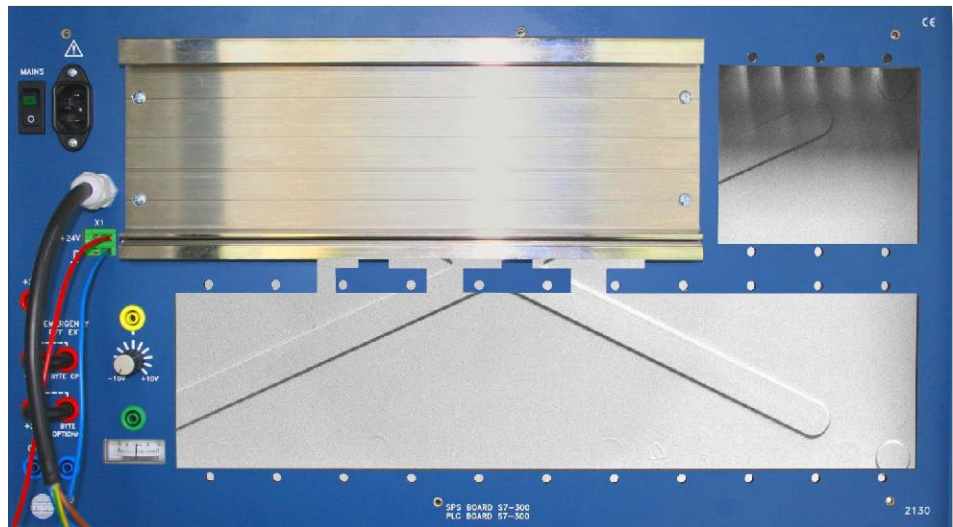
SPS BOARD S7-300

Type 2130

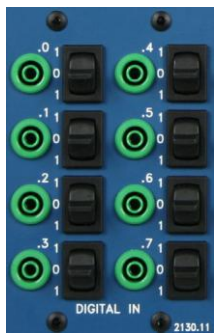
Automation Technology / PLC

Overview of the currently available insert modules, suitable for the PLC BOARD S7-300

Basic panel for the modular set-up of a S7/300C training system with a 320-mm-hat rail. Measuring instrument (centre zero point) and potentiometer -10 V to $+10\text{ V}$ DC for analog processing as well as EMERGENCY-OFF. With built in main jack and main switch. It is possible to mount 14 insert modules (one module width).



SPS BOARD S7-300 (Type 2130)



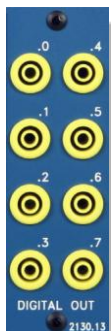
DIGITAL IN (with switches) (Type 2130.11)

Insert module (double width)
8 digital inputs via 4 mm safety jacks or stimulation with
8 pushbutton/lock-in switches



DIGITAL IN (Type 2130.12)

Insert module (one width)
8 digital inputs via
4 mm safety jacks



DIGITAL OUT (Type 2130.13)

Insert module (one width)
8 digital outputs via
4 mm safety jacks



ANALOG (Type 2130.14)

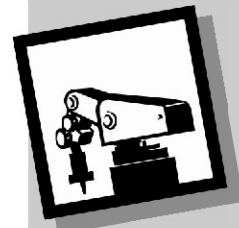
Insert module (one width)
4 analog inputs
2 analog outputs
1 PT100 input via
4 mm safety jacks



Adapter MPI and 2 DP (Type 2130.15)

Insert module (one width)
1 MPI connection
1 Profibus connection
2 DP (only to be usable
with a S7/314C-2 DP)

Automation Technology / PLC



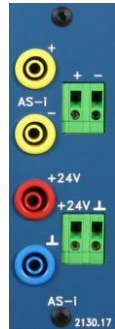
**SPS BOARD
S7-300**

Type 2130



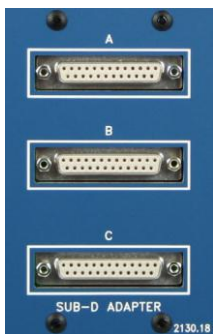
**MECHATRONIC
ADAPTER
(Type 2130.16)**

Insert module (one width)
9-pin and 25-pin SUB-D
adapter to connect
mechatronic systems



**Adapter AS-i
(Type 2130.17)**

Insert module (one width)
For connecting the
CP 343-2 with an AS-i
bus (only in combination
with communicating
processor and AS-i
power supply)



**SUB-D ADAPTER
(Type 2130.18)**

Insert module (double width)
3 SUB-D jacks, 25-pin, for all inputs and outputs of an
S7/313C or an S7/314C-2DP



**Blank panel
(Type 2130.19)**

Cover for one free ex-
pansion square



**WORD INPUT
(Type 2130.23)**

Insert module (one width)
Hexadecimal coding
switch, 4fold
The use of a additional
I/O card is recommend-
able.



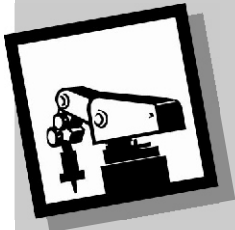
**WORD DISPLAY
(Type 2130.24)**

Insert module (double width)
Hexadecimal LC display, 4fold
The use of a additional I/O card is
recommendable.



**Blank panel
(Type 2130.25)**

Cover for two free expansion squares (double width)



SPS BOARD S7-300

Type 2130

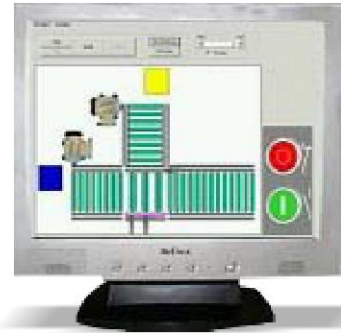
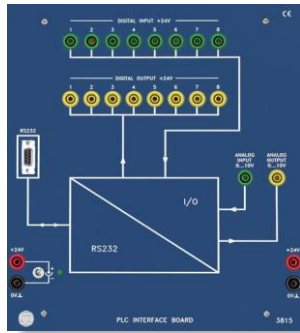
Automation Technology / PLC

Some applications of the PLC BOARDS in combination with other hps trainings systems

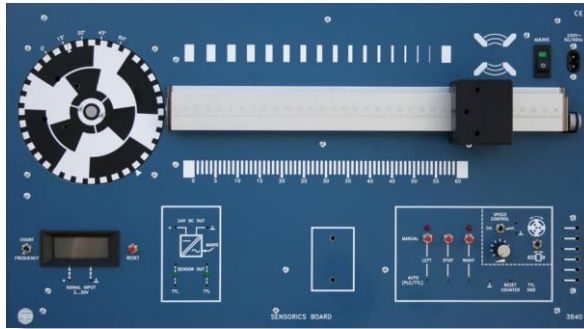
The PLC BOARD S7-300 (Type 2130) controls a simulation of different applications with the PLC INTERFACE BOARD (Type 3815).

Example:

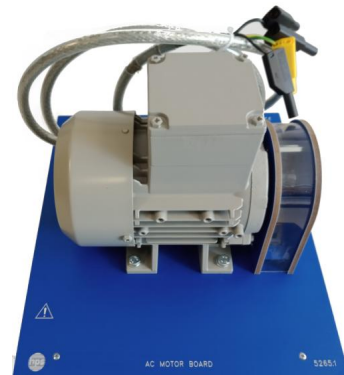
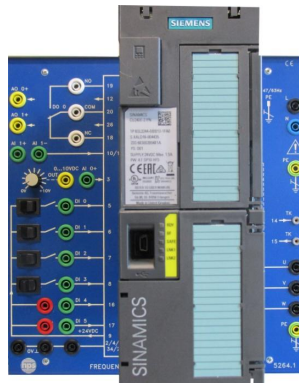
- simple motor control
- sorting system



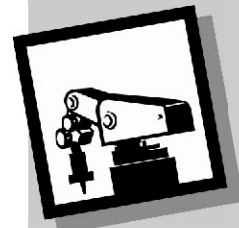
The PLC BOARD S7-300 (Type 2130) controls the linear movement of the SENSORICS BOARD (Type 3840) and analysis data of the sensors.



The PLC BOARD S7-300 (Type 2130) controls the FREQUENCY CONVERTER SINAMICS G120 (Type 5264.1) with connected AC MOTOR (Type 5265.1).



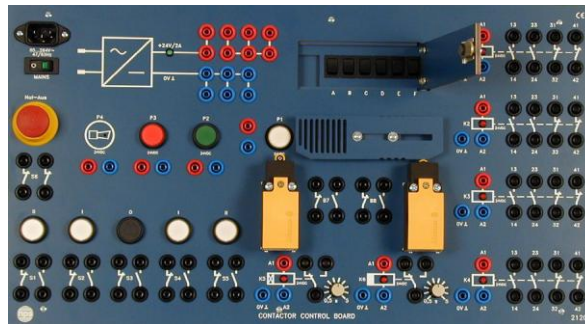
Automation Technology / PLC



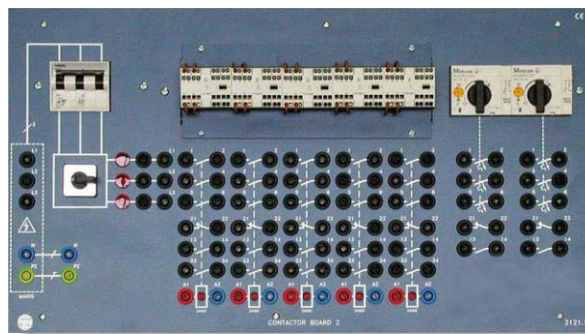
SPS BOARD
S7-300

Type 2130

Access to the contactor control engineering with the CONTACTOR CONTROL BOARD (Type 2120), the special contactors enable the direct control with the PLC BOARD S7-300 (Type 2130).



The CONTACTOR BOARD II (Type 2121.1) and its special 24 V DC special contactors is ideally suitable to be controlled with a PLC BOARD S7-300 (Type 2130).



The AC MULTIFUNCTION MOTOR (Type 2122) could be used in three different operating modes, as an asynchronous motor, an asynchronous motor with separate windings for two speeds and a Dahlander motor.



Subject to technical modifications.

