

# Windows CAN Starter Kit



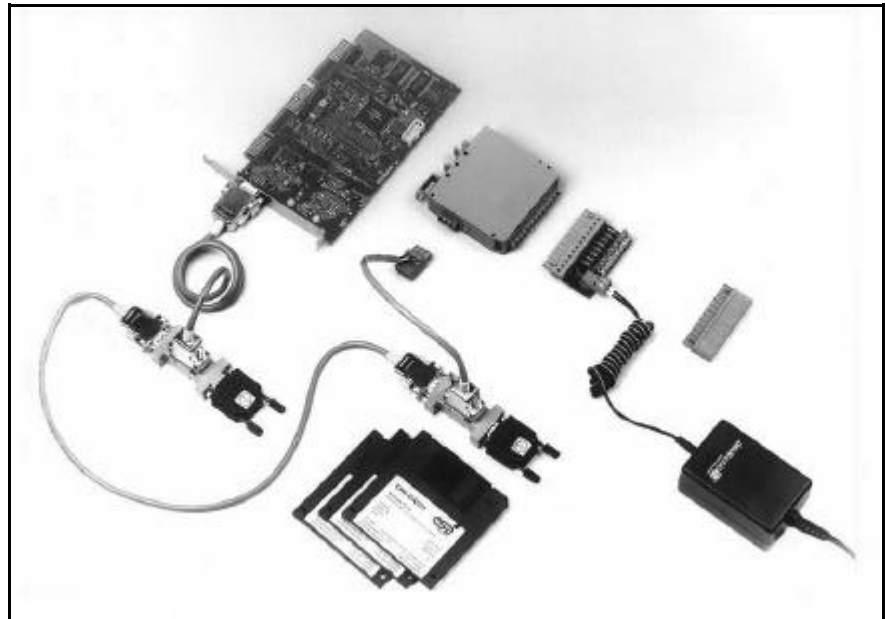
## CAN-Starter-Kit

You always wanted to know

- what is CAN ?
- how does CAN work ?
- how can CAN be applied ?

## Here is your solution

- PC CAN interface (CAN-ISA/200, CAN-PCI/200, CAN-ISA/331 or CAN-PCI/331) or Centronics interface CAN-PCC
- digital I/O-Module CANbloc®-Mini DIO8
- simulation block CBM-CSK1
- wiring incl. terminations etc.
- power supply
- drivers, operator software and example program for Windows NT and Windows 95/98
- operating manual



CAN-Starter-Kit with CAN-ISA/331 board

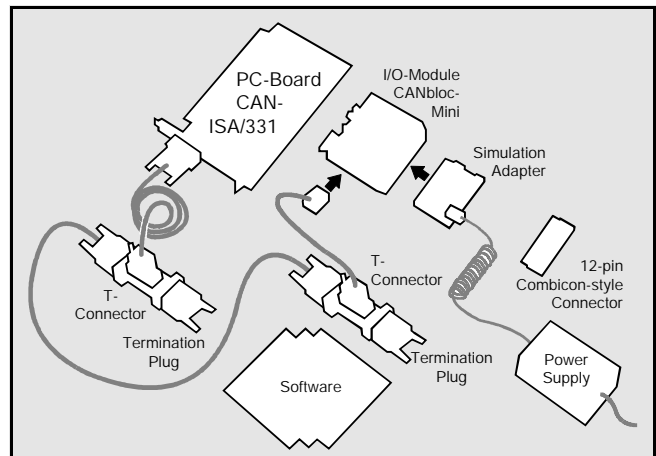
## A complete package

The complete package is designed for gaining knowledge and experience with CAN in an application. Our kit contains a PC-CAN interface, a digital I/O module (8 channels), the I/O wiring, a simulation block, a power supply, the CAN network including T-connector and terminations, documentation as well as drivers and operator software for Windows NT and Windows 95/98.

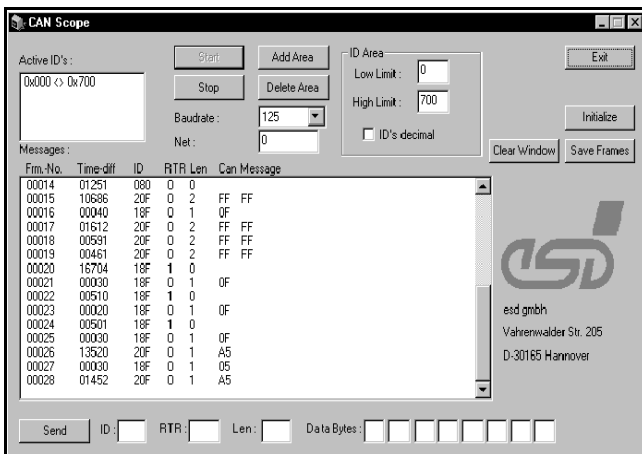
The parts of the CAN starter kit can be reused and comply with the CiA standards and industrial requirements. Of course, all CAN nodes are electrically isolated.

## Really simple

After all components are interconnected according to the documentation, and the driver as well as the demo program are installed on the PC, you can already start. With one Mbit per second you can transfer data from and to the PC. Really simple!



Components of the CAN-Starter-Kit



Monitor Program CAN-Scope

## Software Included

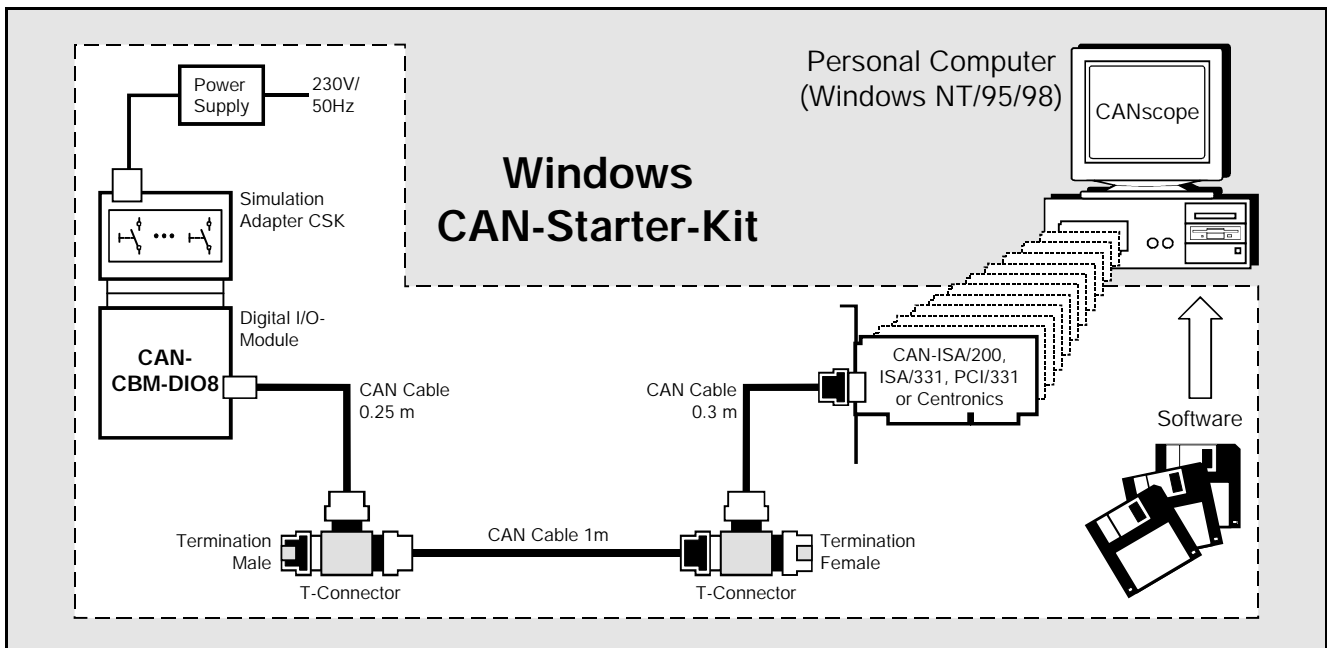
The Windows software package includes the self explaining monitor programm CAN-Scope. It can be used to send CAN messages and to monitor each transmitted CAN message on the bus.

Additionally a demo program is included as a source code, to show you how the PC card can be accessed by your own programs. Caused by the standardized software interface of the esd PC boards, the contained demo program, as well as your application, will also run with other esd PC boards.

Another advantage is that you can connect further components to your CAN network without great efforts.

Each board of our program can be combined with the starter kit on demand.

# Windows CAN Starter Kit



## Technical Specifications:

### CAN-PC Boards:

	ISA/200	PCI/200	ISA/331	PCI/331	CAN-PCC
Host interface	ISA, 8 Bit	PCI	ISA, 16 Bit	PCI	Centronics
CPU/microcontroller	passive		CPU 68331		87C592
CAN controller	SJA1000, CAN 2.0A/B				87C592
CAN interface	acc. to ISO11898, electrically isolated, bit rate 1 Mbit/s (typ. at 37 m bus length)				

### CAN-CBM-DIO8:

CAN interface:	acc. to ISO 11898, electrically isolated, 1 Mbit/s (max. 10 m bus length), 500 kbit/s (max. 80 m)
Microcontroller:	C515C
Digital I/Os:	8 channels, each channel can be setup as an input or output separately, nominal voltage 24 V

### CAN-CSK board:

I/O simulation:	load resistors for each output, switches for each input
power supply:	power supply connector for CBM

### CAN wiring:

Cables:	shielded twisted pair bus cables, connector plugs cases made of chrome plated plastic
T-connectors:	two female and one male connector each
Termination plugs:	120 ohm termination resistor, 4.8 mm fast-on male connector to connect CAN_GND to earth potential

### Software of CAN-Starter-Kit:

CAN-CBM-DIO8:	module supports the CANopen protocol
CAN-PC boards:	driver for Windows NT/95/98, CAN-Scope, demo program as a source code

### General:

Temperature:	0...50 /C
Humidity:	max. 90 %, non-condensing

### Scope of delivery:

- 1 CAN-PC board with one CAN interface (CAN-ISA/200, CAN-PCI/200, CAN-ISA/331, CAN-PCI/331) or Centronics interface CAN-PCC
  - 1 CANbloc®-Mini DIO8 (CBM)
  - 1 CSK board for I/O simulation
  - 1 power supply (24 V/DC)
  - 1 CAN cable 0.25 m (for CBM-DIO8)
  - 1 CAN cable 0.3 m (standard)
  - 1 CAN cable 1.0 m (standard)
  - 2 T-connectors (female-female-male)
  - 1 termination plug female
  - 1 termination plug male
  - 1 12-pin combicon-style screw/plug connector (replaces CSK board in field application)
- set software drivers, CAN-Scope and demo program at floppy disc  
1 set of documentation

### Order information:

Designation	order no.
Windows-CAN-Starter-Kit with CAN-ISA/200 (scope of delivery as listed)	C.2030.01
Windows-CAN-Starter-Kit with CAN-PCI/200 (scope of delivery as listed)	C.2030.05
Windows-CAN-Starter-Kit with CAN-ISA/331 (scope of delivery as listed)	C.2030.02
Windows-CAN-Starter-Kit with CAN-PCI/331 (scope of delivery as listed)	C.2030.03
Windows-CAN-Starter-Kit with CAN-PCC (scope of delivery as listed)	C.2030.04