

CAN-Spy®

All in One CAN-Bus Monitoring and Simulation Tool



CAN-Spy® is a compact and easy-to-use CAN-bus diagnostic and simulation tool that dramatically speeds up and simplifies the engineering process. An asset in both automotive and industrial environments, the CAN-Spy transmits and displays CAN messages. Its real time-saving benefit comes from its ability to scale and display data in engineering units with text names – no more tedious manual scaling and conversions!

The tool can be used in stand-alone mode, or it can be configured using a PC via a RS-232 link and optional software. CAN-Spy messages are capable of linking to realworld analog and digital I/O via a DB-25 connector for realtime stimulus and measurement.

CAN-Spy Operation

CAN-Spy is controlled with a single push-button, rotating knob. Menu items are highlighted as the knob is turned. A quick push of the knob activates the selected menu item, allowing single handed operation. Everything from message IDs to filter settings can be entered using this simple turn-and-push user interface.

```
S 1FEEFFEE AB 0A CD 00 EE FF DD 1B 01411
S 1FEEFFEE AB 00021
1FEEFFEE AB 0A CD 00 EE FF DD 1B 00531
1FEEFFEE AB 0A CD 00 03764
1FEEFFEE AB 0A CD 00 EE FF DD 1B 00008
1FEEFFEE AB 0A CD 00 EE FF DD 1B 05300
R ***** 00239
MONITOR TERMINAL INSTRUMENT SENDER >
```

Display

All informations and CAN-Bus messages are displayed on an 8-line by 40-character LCD display with a backlight for easy night viewing.

Capabilities

- Monitor Bus with Filters, Triggers and Timestamp
- Debug Software with Terminal Mode
- View Data in Standard Engineering Units
- Send CAN-Messages (Single Shot or Repeated)
- Assign Message Sources
- Link to PC with a Standard RS-232 Cable
- Setup CAN-Bus Timing and Properties
- Analog and Digital Input/Output
- Select 11 or 29 Bit Identifier
- CAN-Baudrate Autodetect Feature
- Flashbased Firmware Update via RS-232

Specifications

CAN-Interface:	ISO 11898 (CAN-C, High Speed)
Bus Data Rates:	Adjustable 10 KBit bis 1 MBit
PC-Interface:	RS-232, DB9, opto-isolated
Memory:	512 KByte RAM with Battery Backup
Dimensions:	255 x 155 x 55 mm without Handle
Weight:	1600 g
Power:	9-36 Volt DC 330mA (12 Volt, LCD-Backlight an)

Components included

- 1 CAN-Spy Unit
- 1 AC-Wall Adapter (230V / 12V)
- 1 Bus Terminator (120 Ohm)
- 1 User's Manual

Available Options

CSpy-RC	PC-Software
CSpy-RC-Plus	Additional DBC-File Support
IF-CAN-BC	CAN-B to CAN-C Interface Adapter
PS-CSPY-02	AC-Adapter (100-240V / 12V)