

# PCAN-MiniDisplay

Visualization, Recording, and Playback of CAN Data



PCAN-MiniDisplay  
(Part No.: IPEH-002262)

PCAN-MiniDisplay Case  
(Part No.: IPEH-002262-KSM01)

The PCAN-MiniDisplay is used as a human-machine interface for the visualization of CAN data. For the connection to the CAN bus, it has two High-speed CAN connectors. The graphic representation of incoming CAN data is configured before using the unit and then is performed on a TFT display.

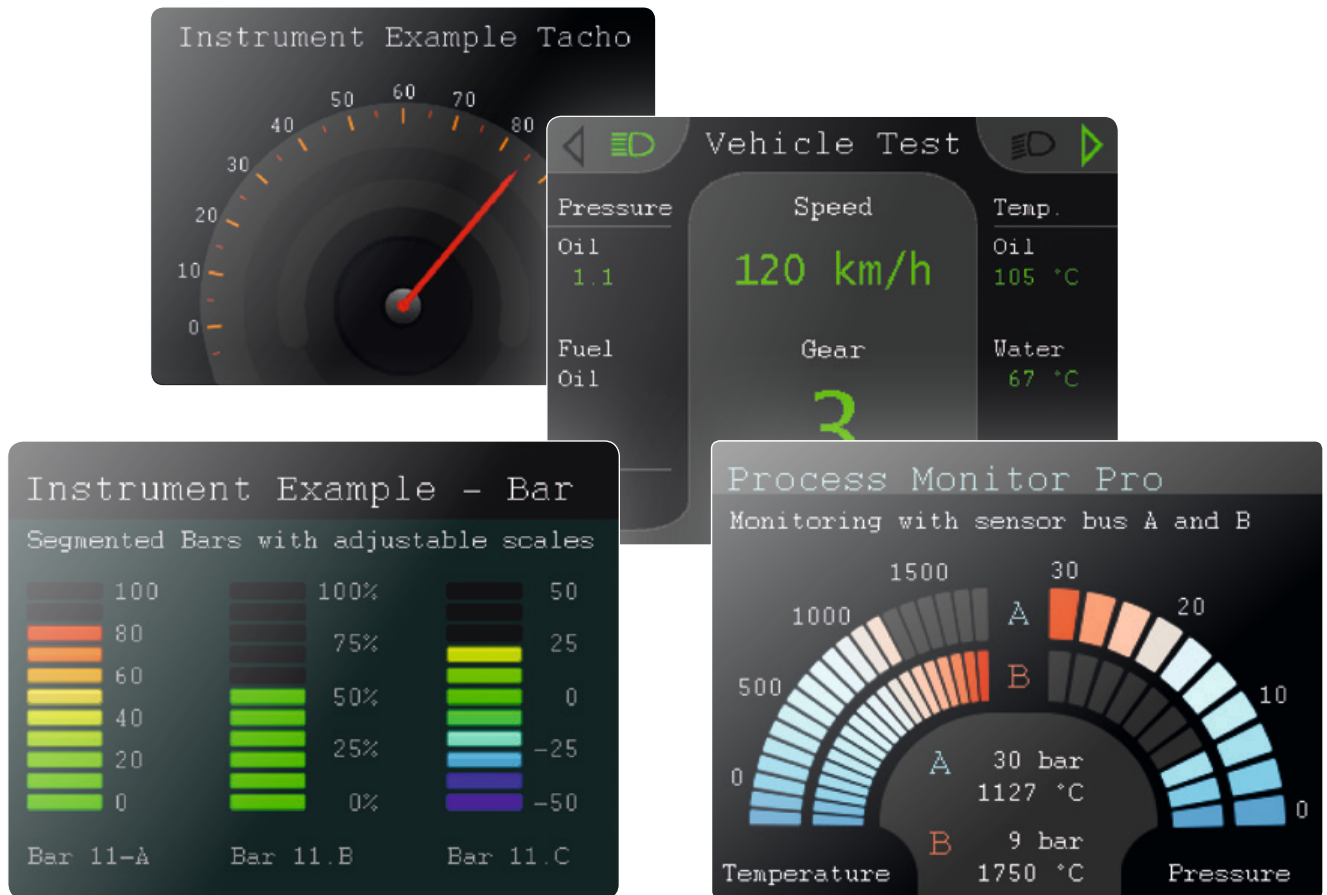
The PCAN-MiniDisplay can alternatively be used for data logging. The data traffic is recorded to a memory card and can be replayed or analyzed on a PC later on.

In addition to the built-in PCAN-MiniDisplay, there is a version in plastic casing with push buttons available. This can be used to create and evaluate application-specific configurations. Furthermore, the user can directly switch between different configurations during operation.

**Note:** Running a display configuration as well as recording and playback of CAN messages is not possible at the same time. The PCAN-MiniDisplay can only be used with one of the three functions.

## Specifications

- CAN connections via two High-speed CAN channels (ISO 11898-2)
  - Bit rates from 40 kbit/s up to 1 Mbit/s
  - Complies with CAN specifications 2.0 A/B
  - NXP TJA1041 CAN transceiver with wake-up
- 2 analog inputs
  - Resolution 10 bit
  - Measuring range 0 to 16.5 V
- 1 digital input and 1 digital output
- TFT display with 320 x 240 pixel resolution
- Freely configurable visualization of CAN data via text files
  - Display of texts, CAN data as well as the values of the analog and digital inputs via text labels
  - Formattable output of CAN data as numbers, float numbers, or strings with consideration of enums and multiplexers
  - Display of bitmap images with transparency
  - Signal-dependent display of image lists
  - Presentation of multiple signal curves in plotters
  - Configurable access to key and buzzer functions as well as display brightness via CAN
  - Transmitting CAN frame sequences at the start, operation, and end of a configuration
- Slot for microSD memory card (max. 32 GByte)



- High-speed USB 2.0 port for access to the memory card using a PC
- Running configurations from the memory card
- Optional auto-start of a single configuration or recording on power-up
- Recording of incoming CAN messages to the internal memory card, optionally including occurring errors
- CAN ID filtering for recordings, separately configurable for each CAN channel
- Conversion of recordings to various output formats using Windows software
- Playback of a recording with optional loop function
- Use of optionally equipped push buttons for menu navigation and to switch between multiple display configurations
- Dimensions: 80 x 55 mm
- Voltage supply from 7 to 30 V
- Operating temperature range from -20 to +70 °C (-4 to +158 °F)

#### Optionally available PCAN-MiniDisplay Case:

- Device in plastic casing with 3 push buttons
- Connections via terminal blocks (Phoenix)

#### Ordering information

Designation	Part No.
PCAN-MiniDisplay	IPEH-002262
PCAN-MiniDisplay Case	IPEH-002262-KSM01

#### Scope of supply PCAN-MiniDisplay

- PCAN-MiniDisplay with mounting frame
- Cables for power supply, CAN, and digital inputs
- 512 MB memory card installed
- Conversion software PEAK-Converter for Windows 11 (x64/ARM64), 10 (x64)
- Configuration examples
- Manual in PDF format

#### Scope of supply PCAN-MiniDisplay Case

- PCAN-MiniDisplay in plastic casing including mating connectors
- 512 MB memory card installed
- Conversion software PEAK-Converter for Windows 11 (x64/ARM64), 10 (x64)
- Configuration examples
- Manual in PDF format