



X-Analyser 3

Network Analysis & Simulation Tool

for

CAN, CAN FD, NMEA2000, J1939, CANopen, LIN

The screenshot displays the X-Analyser 3 interface with several key components:

- Raw Data Area:** A table showing CAN bus data with columns for Timestamp, Channel, Direction, Frame Id (hex), Frame Type, Data Length, and Data. An arrow points to this area from the label "Raw Data Area".
- Real-Time Playback:** A control panel on the left with a "Stop" button and a "Log file 200711161220 Fiesta Journey.cpr ready." message. An arrow points to this area from the label "Real-Time Playback".
- Signals Values:** A table listing signal names and their current values, such as Engine_Speed_RPM (780) and Master_Vehicle_Speed (16.85). An arrow points to this area from the label "Signals Values".
- Scope/Graph Area:** A graph showing signal waveforms over time. An arrow points to this area from the label "Scope/Graph Area".
- Gauges based on Signals:** A set of three gauges (speedometer, tachometer, and temperature gauge) that update based on the signal values. An arrow points to this area from the label "Gauges based on Signals".
- Transmitters:** A list of transmitters (Transmitter 1, 2, 3) on the right side of the interface. An arrow points to this area from the label "Transmitters".
- Statistics:** A table showing statistics for the selected transmitter, including Rx Frames, Tx Frames, Error Frames, Bus State, Bus Load, and Frames per second. An arrow points to this area from the label "Statistics".



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Features

- Send and Receive CAN/CAN FD/LIN data on Multiple Channels
- Filter by Message ID, Names, Values
- CAN Higher Layer Protocols (CANopen, SAE J1939, NMEA2000)
 - J1939 – All PGN and SPNs embedded in tool
 - CANopen Message Interpretation and Network Management Control
 - NMEA2000 PGN name interpretation and transmission
- Interpret data as engineering signals (e.g. Motor torque, engine speed etc.)
 - Interactive CAN & LIN Message Transmission and Signal Editing
 - Compatible with industry standard CAN and LIN databases
 - Gauges and Scope display for engineering Signals
- Diagnostics for Developers such as ISO 15765/UDS transmitters
 - Read/Clear DTC for ISO 15765/UDS
- CAN Physical Layer Oscilloscope – Preview Feature
 - View CAN_H and CAN_L using a PicoScope 2206b PC oscilloscope
- Flexible multiple windows displays which can be stored in project file
- PC Interfaces for CAN/LIN/CAN FD (PCI, USB, Ethernet, Wi-Fi)
 - Multiple vendor CAN/LIN interfaces including Kvaser