flexible vehicle network analysis

moduleanalyser

Module Analyser brings together CAN network analyser functions and automotive diagnostics in a single powerful environment.

5 in 1 CAN & LIN bus tool .

- Auto motive OBD Scan tool and J1939 monitoring.
- Advanced automotive diagnostics.
- Full ODX/MDX and DBC editor.
- CAN BUS and signal monitoring.
- Fully integrated data analysis tool.

CAN & LIN Network Analyser

- Detailed CAN and LIN bus monitoring including bus statistics.
- CAN/LIN identifier filtering and colour highlighting.
- CAN DBC and LIN LDF database importing for signal definition.
- Export and save filter sets.

- Multiple bus analysers running.
- Selectable trace display methods.
- Record and playback CAN frames.

Automotive Diagnostics

- OBD scan mode.
- Read/ Clear trouble codes.
- Extended ISO14229 (UDS) mode.
- Fast data acquisition.
- Custom message constructor tool.
- Retrieve VID blocks.
- Re-flash module (OEM version only).

History & Reports

- Full OBD reports with a single click– exportable to .txt and Excel ™.
- Retrieve and report all supported PIDs.

moduleanalyser
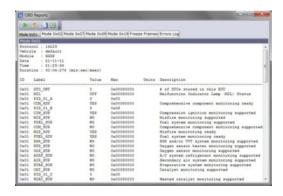
Multiple level activity reports providing different levels of detail and information.

Selectable history files for each vehicle.

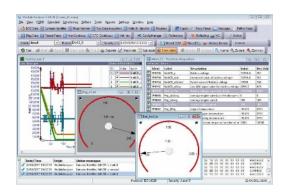Diagnostic Trouble Codes and associated Freeze Frame data.

Configurable databases

Automatically determine supported PIDs and export to ODX.

Separate settings and databases for each module to allow rapid interchange.

Manage projects, vehicles and software.

A2L, DBC and ODX/MDX/GDX file imports into module and tool specific databases.

Dedicated J1939 module database allows signal monitoring and data interpretation.

Data logging

Record CAN traces from UDS monitoring services and signals.

Multiple controls - Dials and LEDs.

Fully featured oscilloscope, including twin cursors, multiple plotting options and data point export.

moduleanalyser

Automotive diagnostic functions

Feature	Item	Standard	Plus
OBD Services	Monitoring powertrain diagnostic data (Mode 1)	•	•
	Retrieving freeze frame diagnostic data (Mode 2)	•	•
	Reading emissions related diagnostic trouble codes (Modes 3, 4 and 7)	•	•
	Retrieving test results for non-continuously monitored systems (Mode 6)	•	•
	Reading vehicle information (Mode 9)	•	•
UDS Extended Services	Advanced diagnostic trouble code data (Mode 18 or 19)		•
	Reading data by identifier (Mode 22)		•
	Read memory by address (Mode 23)		•
	Fast data acquisition (Modes 2C and 2A)		•
	Write data by identifier (Mode 2E)		•
	Routine control (Mode 31)		•
Module Databases	OBD data (Mode 1 to 10)		•
	SAE data DTC's (< P1000)		•
Module reprogramming	ISO15765/ISO14229	OEM only	
	Configurable database for modules		
	Unlock ECU Tool		•
Security file support and management	Security file manager	•	
	Security Library	OEM only	
ODX/MDX/GDX diagnostic database	File Import/Export		•
	Editing and on-line reporting (retrieves and reports valid responses)		•
Configuration manager	Create and edit module setting/PID's/Signals etc…	•	•

moduleanalyser

Table showing CAN/LIN network monitoring functions

Feature	Item	Standard	Plus
Signals	DBC (CAN) support	●	●
	LDF (LIN) Support	●	●
	J1939 (29-bit) Support	●	●
Trace Viewer	Node Simulation (Record/Playback)		●
	CAN monitor (DBC database import)	●	●
	LIN monitor (LDF database Import)		●
	Multiple trace viewer windows with separate filters		●
Message Constructor	Multiple message constructor windows		●
	Tasks Database	●	●
Python Scripting	Tool and Library		●
Bus Statistics	Tool (only on Kvaser devices)	●	●
Reports	Expanded/Simple by Vehicle history		●
	Full OBD (Mode 1 to Mode 10)		●
	DTC (Extended and Freezframe data)		●
Data Visualisation	Oscilloscope	●	●
	Dial Displays		●
	LED Displays		●
Export Data Formats	Microsoft™ Excel (*.csv)	●	●
	Matlab™ data file (MAT)		●
	Vector™ data File (MDF/DAT)		●
J1939	Database	●	●
	DBC Import	●	●
	Signals monitoring	●	●
	Trace Viewer	●	●

Compatible hardware interfaces

Feature	Item	Standard	Plus
Interface Devices	CANDo™ Interface Device Support	•	•
	Kvaser™ CAN Interface Device Support	•	•
	Kvaser™ LIN Interface Device Support		•
	Vector™ Interface Device Support		•
	Softing™ Interface Device Support		•
	Komodo™ Interface Device Support		
	J2534 'Pass Thru' Protocol Support		•

Hardware interface devices must be purchased separately