Indigo

In-Vehicle Diagnostics – Quick and Easy

What is Indigo?

Indigo is an intuitive to use diagnostic tester that can be easily configured without diagnostic protocol knowledge. Indigo is suitable for both vehicle development and workshop use. Indigo provides a quick overview of the status of a vehicle and also allows detailed diagnostics of individual ECUs. Various tester configurations can be defined, saved as projects and securely exchanged between partners. Remote diagnostics with Indigo Remote is also possible.

Overview of Advantages

> Ideal for diagnosis of the entire (commercial) vehicle and individual ECUs as well as applicable for all OEMs and vehicle series
> Freely definable projects for each application with customizable user interface
> Direct overview of vehicle status and vehicle identification data as well as predefined tools for each diagnostic task (e.g. read fault memory)
> Simultaneous support of UDS, KWP2000, GMW3110 and SAE J1939 diagnostics and OBD
> Automatic configuration via ODX, CANdela (CDD) or Ford MDX diagnostic descriptions
> Simultaneous support of different vehicle accesses via CAN (FD), K-Line and DoIP
> Interactive Remote Diagnostics with Indigo Remote

Highlights of Version 6

Professional Development of Diagnostic Sequences

> Indigo now offers an extension for developing and testing diagnostic sequences for Microsoft Visual Studio. The advantages are comfortable editing, easy testing of diagnostic sequences and best debugging support.

Security

> Integration of the Vector Security Manager. The Vector Security Manager provides manufacturer-specific security functions, e.g. for gateway authentication.

Test Automation

> The standardized ASAM XIL API DiagPort 2.1 is supported for the automation of diagnostic tasks

Routine Control Center

> Use the Routine Control Center to start or stop the execution of remote routines (UDS service 0x31) and query the result of the routine

More new Features

> Support of Vector Ethernet network interfaces VN5610A and VN5640 for DoIP communication with the vehicle
> Recorded LiveData signals can now also be saved in the standardized ASAM MDF4 format

Vehicle identification: Acquisition of general information about the installed ECUs with Indigo on a Windows tablet computer
Application Areas

Indigo is designed for applying diagnostics in the development, start-up and maintenance of ECUs. It also fits perfectly for ECU integration and fault diagnostics in the vehicle. Thanks to its higher level operating concept Indigo can be applied efficiently without requiring detailed diagnostic knowledge by users.

In addition to diagnosing individual ECUs many use case windows provide also a direct view to diagnostic data of an entire system or a complete vehicle. Due to the consequent reduction of the necessary user interaction, Indigo can also be used perfectly on test drives. Captured data can be saved for later analysis and archiving purposes in well-organized Reports.

A created diagnostic configuration can also be stored in a “protected” (= “sealed”) format. Forwarding such a configuration to a third party is thereby very easy. This configuration can neither be changed, nor can the included diagnostic databases be viewed. Thus, only the execution of predefined functions is possible.

Supported Hardware

- Vector: VN16xx (USB), VN5610A, VN5640, VN8950, VN8970, VN8810, VX113x, VX0312
- PassThru devices: J2534 hardware, Ford VCM-I / VCM-II, GM MDI, GM MDI II, GM Peak Dongle
- D-PDU API Devices based on ISO 22900-2

More information: www.vector.com/indigo