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 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 7
Flexible Implementation of Own Individual Use Cases
> Software Development Kit (SDK) for creating customized windows for specific functions and use cases
> New APIs included in Diagnostic Scripting for convenient access to the fault memory, authentication and CAN access

Security and DoIP Extensions
> The new version 7 now supports DoIP over TLS according to ISO 13400-3
> TLS-specific parameters such as TLS status, ECU name or processing can be quickly configured
> Easy communication and identification of DoIP ECUs via VLANs
> Improved usability when entering DoIP communication parameters

Remote Diagnostics
> Simplified setup and configuration
> Increased security through user authentication
> Support of the new Remote Access Point for all Vector remote products
> Faster data transmission due to optimized transport protocol
> Extended configuration options, e.g. for proxy configuration

Further Optimizations
> Modernization of the user interface, e.g. redesign of the icons and the diagnostic trace window

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

Application Areas

Functions
- **DTC Auditor:** Graphically display of ECUs and their fault memories.
- **DTC Browser:** Display the identified DTCs with their status flags, environment data and error conditions.
- **DTC Inspector:** Overview of all supported DTCs with highlighting and marking of “active” DTCs.
- **Identification Browser:** Gather general information about the installed ECUs (e.g. serial number, ECU version, VIN, ...).
- **Parametrizer:** Read and modify ECU data vehicle-wide.
- **Live Data:** Measurement of diagnostic parameters and CAN signals, as well as their graphical representation.
- **Trace:** Display sent and received diagnostic data (including data interpretation) – optimized for diagnostics
- **IO Control Center:** Comfortable control of actuators
- **Routine Control Center:** Start or stop the execution of remote routines (UDS service 0x31) and query the result of the routine.
- **Diagnostic Console:** Directly access all diagnostic services for manual execution.
- **Flashing:** Reprogramming of ECUs based on vFlash Pack&Go projects.
- **Scripting:** Comfortable recording and execution of recurring diagnostic sequences as well as creation of vFlash Custom Actions. Scripts in C# can be reused in all Vector diagnostic testers
- **OBD II/WWH-OBD/HD-OBD:** Read and evaluate different OBD data.
- **Indigo Remote:** With Indigo Remote an expert may diagnose a vehicle from a remote location. Despite the long distance, analysis and problem solving are achieved efficiently. All confidential data remain in a secure environment on the expert’s computer and will not be transferred to the vehicle.