

PYTHON

A low-cost, vehicle diagnostics tool



PYTHON is a low-cost, multi-protocol interface that is designed to communicate to all OBD II vehicle diagnostic networks. The Python includes a J2534 API for reprogramming and pass-through diagnostics. This versatile tool communicates with a PC by use of a USB port.

Compact Size

The Python has a compact size which increases its portability. Only weighing around 2.8 oz makes it easy to use on the road.

Additional features available on new hardware:

- Field reflashable
- Reprogramming voltage 0V/5V
- Independently controlled L-Line.

Key Features

Multi-protocol support - CAN (ISO 11898-2, J1939, J2284, etc.), ISO 9141-2, KWP2000 and J1850 (Class 2, SCP, DCX)

J2534 API for reprogramming and pass-through diagnostics

Wide Input Voltage Range (7.5-32V)

Vehicle Battery Read (VBAT) support

Compact size

Low-cost

USB 1.1 PC Connection

Allows PC to be isolated from vehicle

DG Dearborn Group
Technology

Product Specifications

TECHNICAL SPECIFICATIONS:

Enclosure Size: 0.88" X 4.25" X 2.60" Color: Black																				
Weight 2.8 oz																				
Input Voltage 7.5V-32V																				
Current Consumption Vehicle Supply 200mA (max), PC Interface 100mA (max)																				
Operational Temperature range: -20 ° C to 75 ° C (Component rated: -40 ° C to 85 ° C)																				
Humidity 20% to 85% R.H.																				
Shock endurance 1.5 Meter Drop																				
Pin assignment <table><tr><td>Vehicle side: DB-9 Male</td><td>PC side: DB-9 Female</td></tr><tr><td>Pin1 K-LINE</td><td>Pin1 N/C</td></tr><tr><td>Pin2 CAN_L</td><td>Pin5 Ground</td></tr><tr><td>Pin3 J1850 (-)</td><td>Pin6 USB Power</td></tr><tr><td>Pin4 J1850 (+)</td><td>Pin8 USB D+</td></tr><tr><td>Pin5 Ground</td><td>Pin9 USB D-</td></tr><tr><td>Pin6 L-Line</td><td></td></tr><tr><td>Pin7 CAN_H</td><td></td></tr><tr><td>Pin8 Unswitched Vehicle Battery</td><td></td></tr><tr><td>Pin9 (-0/5V input switch)</td><td></td></tr></table>	Vehicle side: DB-9 Male	PC side: DB-9 Female	Pin1 K-LINE	Pin1 N/C	Pin2 CAN_L	Pin5 Ground	Pin3 J1850 (-)	Pin6 USB Power	Pin4 J1850 (+)	Pin8 USB D+	Pin5 Ground	Pin9 USB D-	Pin6 L-Line		Pin7 CAN_H		Pin8 Unswitched Vehicle Battery		Pin9 (-0/5V input switch)	
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PC Connection USB Ver 1.1																				
Vehicle Connection CAN/ISO 15765 J1850 VPW J1850 PWM ISO9141/ISO14230																				