

# VAD Pro-901: Diagnostic Functions

## Basic Functions:

- Find, Save, and Clear DTCs (fault codes) from the latest VAG diagnostic listings
- Conduct Collection Services report to profile module listing in VAG vehicles
- Use Gateway Installation list to show modules present through VIN number ID
- Switch vehicles into/out of Transport Mode for storage or moving with minimal energy consumption
- Perform Output Tests on components controlled with specific modules
- Use Basic Settings to self adapt Control Modules and change vehicle behavior
- Read up to 255 Measuring Value Blocks (containing as many as 800 values) per module to learn values pertaining to vehicle performance
- Monitor and log multiple Measuring Blocks at one time
- Use Quick Scroll mode to show only those Measuring Blocks being logged
- Change unit measures, graph ranges to show relevant value data
- Adapt Control Module values to alter factory settings
- Access Login features to change or adapt locked Control Module functions
- Code and recode Control Modules to match specific vehicle chassis and engine types
- Read individual Measuring Values on older vehicles that do not contain Measuring Blocks
- Set Readiness Code to test vehicle emissions standards and determine vehicle preparedness for release to customer
- Find, Save, and Clear OBD-II fault codes in non-VW/Audi vehicles
- Use Freeze frame function to capture live data segments for future analysis
- Perform Oxygen Sensor monitoring tests
- Use Parameter Identification to form related Value Blocks for specific measurement
- Access current (real-time) emission-related data values, including analog inputs and outputs, digital inputs and outputs and system status information
- Retrieve and display vehicle specific information, for example, VINs and Calibration IDs

## Common VW/Audi Specific Functions:

- Change/Reset Fixed/Variable Service Reminders
- Release Rear brake pads in vehicles with Electronic Parking Brake
- Set Injection Timing on TDI engines
- Read Out DSG/Auto Transmission Oil Temperature
- Identify Radio Serial Number/Module ID for Radio Code Retrieval
- Adjust Xenon Headlamps to Ride Height Specifications
- Perform DSG Basic Settings/Clutch Calibration
- Calibrate Suspension Level in vehicles using Air Ride Suspension
- Recoding Replacement or Repaired Control Modules
- ABS Traction Control Basic Settings
- Activate/Deactivate Daytime Running Lights
- Conduct Throttle Body Alignment after Fault Code Clearance/Battery Disconnect
- Set Readiness Code/Emissions Standards through Individual Basic Settings
- Prepare ABS Module for Brake Pump Bleeding
- Adapt Climatronic System to Desired Settings
- Calibrate Steering Angle Sensors to ESP System
- Activate Diesel Particle Filter Emergency Regeneration
- Adapt Exhaust Gas Recirculation (EGR) Valve
- Conduct Throttle Kickdown on Auto Transmissions
- Perform HVAC Sensitivity Adjustment
- Activate Cruise Control on Select Modules
- Adjust/Adapt Idling Speed
- Conduct Instrument Cluster Fuel Gauge Adaptation
- Remote Key Match/Adaptation on vehicles not requiring Dealer Access System
- Recode/Calibrate Replacement or Repaired Instrument Clusters not requiring Dealer Access System

