



ELKOSO®

AUTOMOTIVE MANUFACTURING SOLUTIONS

IC618 VDO ACTUATOR TESTER





IC618 is a versatile tool designed to interface with VDO actuators, providing users with an intuitive and user-friendly environment. It offers seamless control both through a PC and an onscreen interface. This dual accessibility ensures that users can operate and monitor the actuators conveniently, regardless of the platform they are using.



The IC618 tool offers comprehensive diagnostic capabilities for VDO actuators, enabling users to gain detailed insights into their condition. Key diagnostic features include:

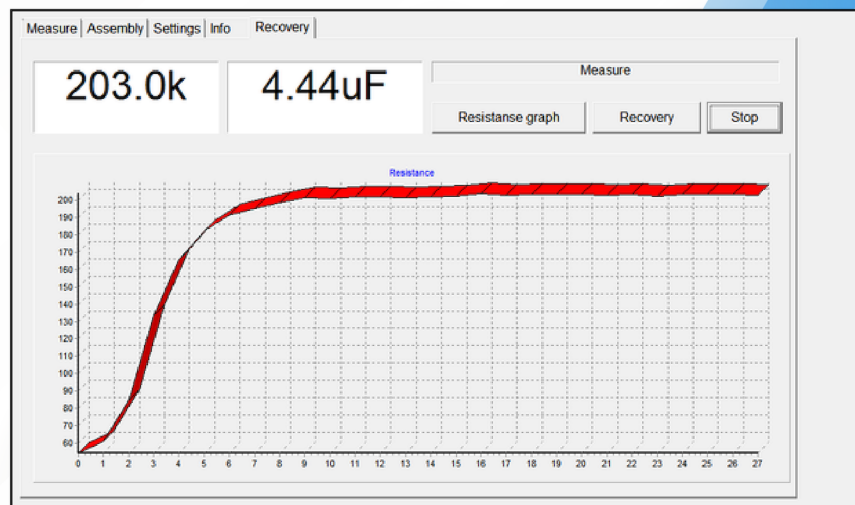
Continuous Resistance Measurement: The tool can continuously measure the resistance of the actuator, providing real-time data that can help in identifying issues such as electrical anomalies or wear and tear.

Resistance and Capacitance Measurement: By measuring both resistance and capacitance, IC618 can provide a more thorough understanding of the actuator's electrical properties, which is crucial for assessing its performance and health.

Isolation Testing: IC618 can test the isolation of the actuator from any part of the body of the injector. This helps ensure that there are no unintended electrical paths that could cause malfunctions or safety issues.

Piezoelectric Stack Extension Measurement: For actuators that use piezoelectric stacks, the tool can measure the extension of these stacks. This is important for verifying the correct operation of the actuator and ensuring that it responds accurately to control signals.

These features make the IC618 an invaluable tool for maintaining and troubleshooting VDO actuators, allowing for precise diagnostics and timely maintenance.



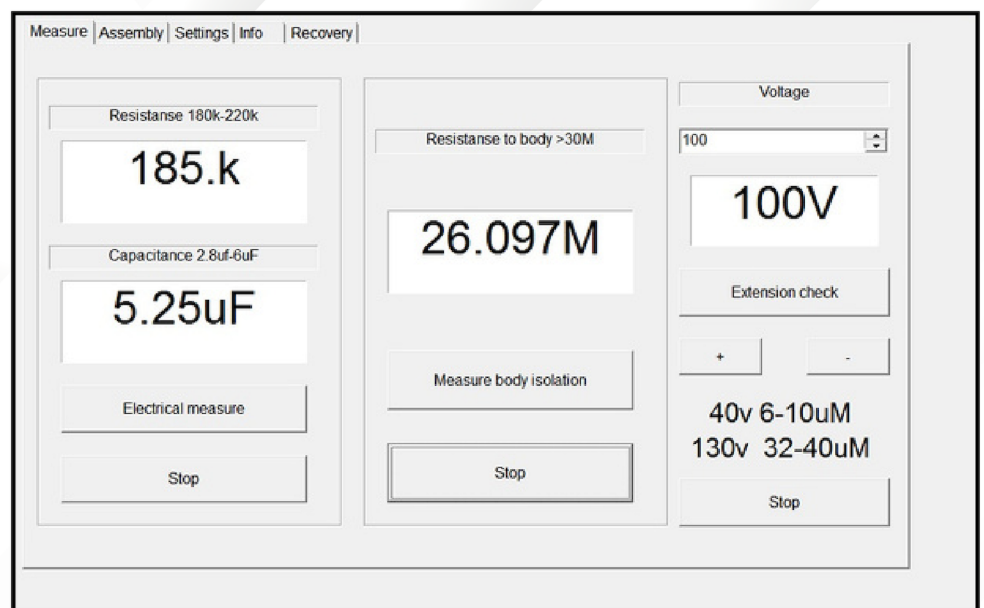


The IC618 tool also aids in the assembly process of VDO actuators by providing precise measurements and ensuring that components meet the required specifications.

Key assembly support features include:

User-Friendly Interface:

Both the PC software and the onscreen control are designed with ease of use in mind, allowing for straightforward operation even for those who may not be technically inclined.



Piezo Stack Extension Measurement: During assembly, the IC618 can measure the extension of the piezo stack. This ensures that the piezoelectric components are correctly positioned and functioning as expected.

Tolerance Verification: The tool can measure and verify the tolerances of various parts. By confirming that all components are within specified tolerances, the IC618 helps ensure that the actuator will perform correctly and reliably without the need for further calibration during testing.

These capabilities streamline the assembly process, enhance the quality control, and reduce the likelihood of post-assembly adjustments, leading to more efficient production and higher quality products.



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