

QPKING AS505

QPKING AS505 Transmission Fluid Tester User Manual

Model: AS505

INTRODUCTION

The QPKING AS505 Transmission Fluid Tester is a high-precision device designed to assess the quality and transparency of automotive transmission fluid. It features an optoelectronic sensor, an integrated temperature sensor, and a 2.8-inch backlit LCD for clear display of results. This manual provides essential instructions for proper setup, operation, and maintenance of the device.

PRODUCT OVERVIEW

The AS505 tester is engineered for ease of use and accurate fluid analysis. Its handheld design and flexible probe make it suitable for various automotive applications.



Figure 1: QPKING AS505 Transmission Fluid Tester. The device features a display, control buttons, and a connected probe.

WHAT'S IN THE BOX

- 1 set AS505 Automotive Transmission Fluid Tester



Figure 2: The package includes the AS505 Transmission Fluid Tester and its user manual.

SETUP

Battery Installation

- 1. Locate the battery cover on the back of the device.
- 2. Open the battery cover.
- 3. Insert 4 x 1.5V AA batteries, ensuring correct polarity.
- 4. Close the battery cover securely.



Figure 3: Rear view of the AS505 device, illustrating the battery cover and compartment.

Probe Connection

The device comes with an 800mm flexible hose probe. Ensure it is securely connected to the main unit before use.



Figure 4: The AS505 tester showing the flexible 800mm probe, designed for convenient access to fluid reservoirs.

OPERATING INSTRUCTIONS

Device Controls and Display

The AS505 features a 2.8-inch backlit LCD and intuitive control buttons.

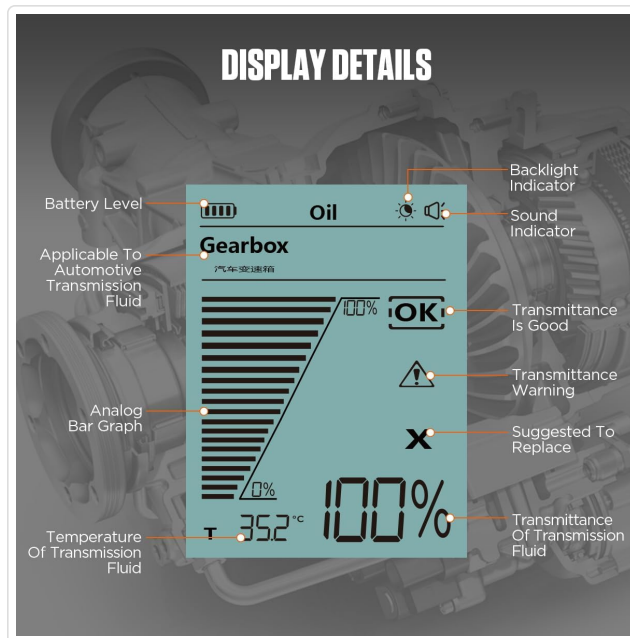


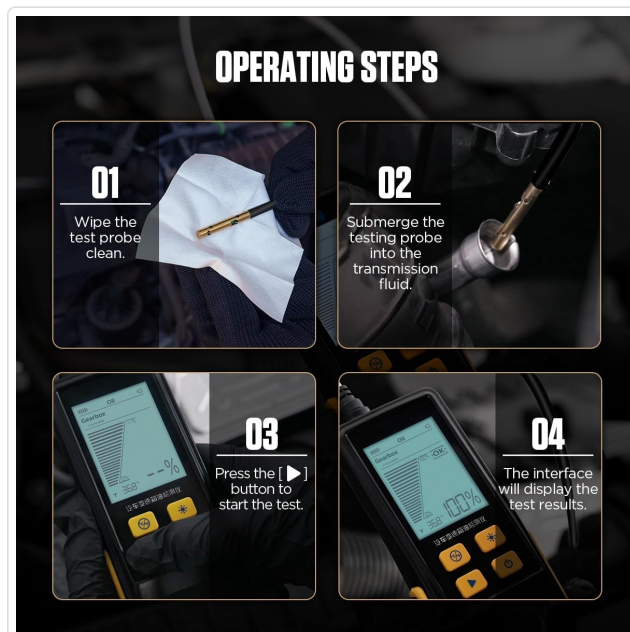
Figure 5: Close-up of the AS505 display, indicating battery level, fluid type, analog bar graph, temperature, transmittance percentage, and status indicators (OK, Warning, Replace).

Button Functions:

- **C/F Button:** Press to toggle between Celsius (°C) and Fahrenheit (°F) temperature units.
- **Backlight Button:** Press to turn the display backlight on or off.
- **Play Button:** Press to start the fluid test.
- **Power Button:** Long press to turn the tester on or off.

Testing Procedure

1. **Prepare the Probe:** Wipe the test probe clean before insertion to ensure accurate readings.
2. **Insert Probe:** Submerge the testing probe into the transmission fluid reservoir. Ensure the probe tip is fully immersed in the fluid.
3. **Start Test:** Press the **Play** button to initiate the test.
4. **View Results:** The device interface will display the test results, including fluid transmittance percentage and temperature.



Interpreting Results

The display provides an analog bar graph and a percentage value for fluid transmittance. It also shows the fluid temperature and status indicators:

- **OK:** Indicates good fluid transmittance.
- **Warning (Triangle icon):** Suggests the fluid quality is deteriorating.
- **Replace (X icon):** Indicates the fluid needs immediate replacement.

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Video 1: Demonstration of the QPKING AS505 Transmission Fluid Tester in use, showing the testing process and display interpretation.

MAINTENANCE

Cleaning the Probe

After each use, gently wipe the probe tip with a clean, soft cloth to remove any residual fluid. This prevents contamination and ensures accurate future readings.

Storage

Store the device in a dry, cool place away from direct sunlight and extreme temperatures. Keep it in its original packaging or a protective case to prevent damage.

TROUBLESHOOTING

Common Issues and Solutions

- **No Power:** Ensure batteries are correctly installed and have sufficient charge. Replace batteries if necessary.
- **Inaccurate Readings:** Clean the probe thoroughly before each test. Ensure the probe is fully immersed in the fluid and the fluid is at a stable temperature.
- **Display Not Working:** Check battery connection. If the issue persists, contact customer support.

SPECIFICATIONS

- **Operating Voltage:** 6V (4 x 1.5V batteries)
- **Operating Temperature:** -10°C to 60°C
- **Probe Length:** 800mm
- **Display:** 2.8-inch LCD with backlight
- **Item Weight:** 13.1 ounces
- **Package Dimensions:** 9.49 x 5.63 x 2.13 inches



Figure 7: Diagram illustrating the key components and specifications of the AS505 Transmission Fluid Tester.

WARRANTY AND SUPPORT

QPKING offers a 3-year warranty for damage caused by non-human factors. For any inquiries or support, please contact QPKING customer service. They aim to respond within 24 hours. For more information, visit the official[QPKING Store](#).