



# Ethanol in Fuel Test Specifications & Instructions

## ACU987600 Series

**Please read all instructions and safety information prior to using product.**

### Introduction

The Acustrip ACU987600 Series is designed as a quick, economical and easy test to measure the percentage of ethanol in your fuel. All manufacturers currently prohibit use of gas containing over 10% ethanol, and most warranties clearly state that repairs will not be covered when the gasoline in the tank contains over 10% legal limit of ethanol. In the U.S. only flex-fuel vehicles are designed to use over 10% ethanol (E85). The use of a high percentage of ethanol in other vehicles may result in costly repairs to parts that are not designed to handle the ethanol. In addition, it is illegal and risky to use higher ethanol fuel blends in hundreds of millions of small engine products and applications. This includes small engine products, such as lawn mowers, garden tractors, chain saws, boats, snow throwers, trimmers, UTVs, power washers, blowers, chippers, grinders, generators, jaws-of-life, concrete saws and other compact construction equipment, as well as small engine applications such as water pumps and irrigation systems.



The Acustrip Ethanol in Fuel Test Kit includes everything you need to test your fuel, giving you peace of mind and protection of your warranty. Specifically, the kit includes a: Reusable Graduated Cylinder; Reusable Bottle; Reusable Funnel; Reusable Brush; and 5 vials of FluidDx™ Ethanol Reagent.

### Availability

The Acustrip 987600 Ethanol in Fuel Test is available in kit form in with five ethanol reagent tests. Reagent refills are available in quantities of ten.

## Procedures

- Use the ACU987600 test to check for ethanol in fuel.
- Start with clean, dry hands and utensils.
- For best results, follow all directions carefully.
- Fill Graduated cylinder with 50 mL of fuel.
- Pour into bottle and add reagent from vial.
- Put on cap and close tightly, then shake vigorously for 15 seconds.
- Pour the entire contents of the bottle into the graduated cylinder and let stand for 1-2 minutes.
- Read meniscus level above the (blue) solution and refer to chart for % ethanol in the fuel. (Be sure to read the bottom of the meniscus.)
- Use the bottle brush and soap to clean the graduated cylinder and bottle between tests.

<b>MENISCUS LEVEL (mL)</b>	<b>% ETHANOL IN FUEL</b>
15.0	0
18.5	8.0
19.0	9.0
19.5	9.0
20.0	11.0
20.5	12.0
22.0	15.0