Zx101XL

Octane & Fuel Analyzer

Zeltex Inc.

MENU SELECT CANCEL MEASURE

1 2 3 4 5 6 7 8 9 0 • DUP PAPER FEED

Zeltex Sample Holder™
Caution: Sample May Be Flammable.
ALIGNMENT STRIPE
↑ Fill Line↑

Close Lid Tightly
Part # 1332
1-800-732-1950

Zeltex Sample Holder™
Caution: Sample May Be Flammable.
↓ Fill Line↓

Zeltex
Caution: Sample May Be Flammable.
ALIGNMENT STRIPE
Close Lid Tightly
Part #1332
1-800-732-1950
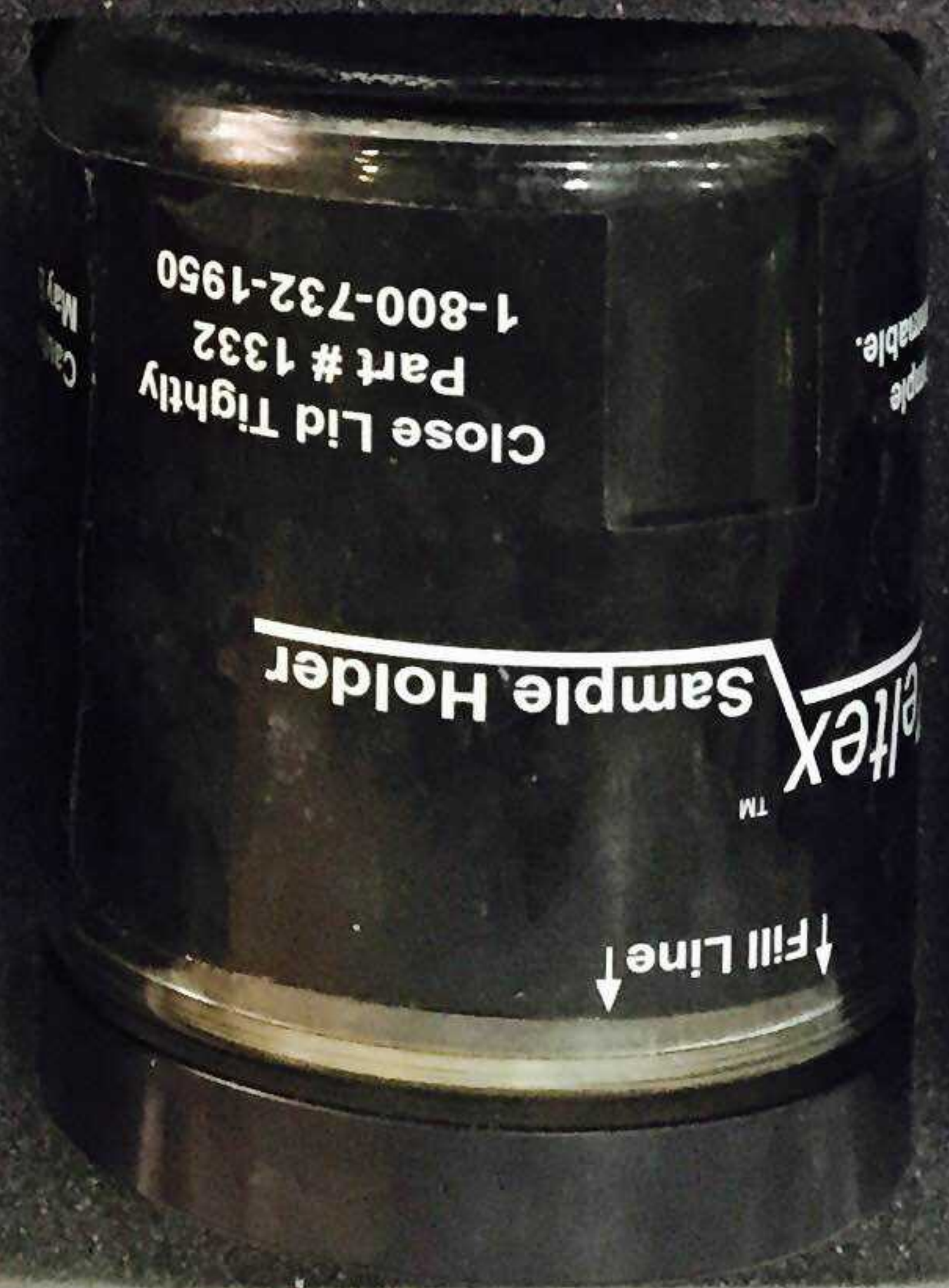
ZX-101XL QUICK START REFERENCE

ZELTEX, INC.

APPEARANCE AND PART NAMES

Labels on diagram:
- LIGHT SHIELD
- LEFT ALIGNMENT STRIPE
- PRINTER PAPER COMPARTMENT
- PAPER CUTTER
- PRINTER
- LCD DISPLAY
- KEYPAD
- SAMPLE CHAMBER
- RIGHT ALIGNMENT STRIPE
- A/C ADAPTER
- RS232 PORT (NOT USED)
- USB TO PC
- POWER SWITCH
- BATTERY COMPARTMENT
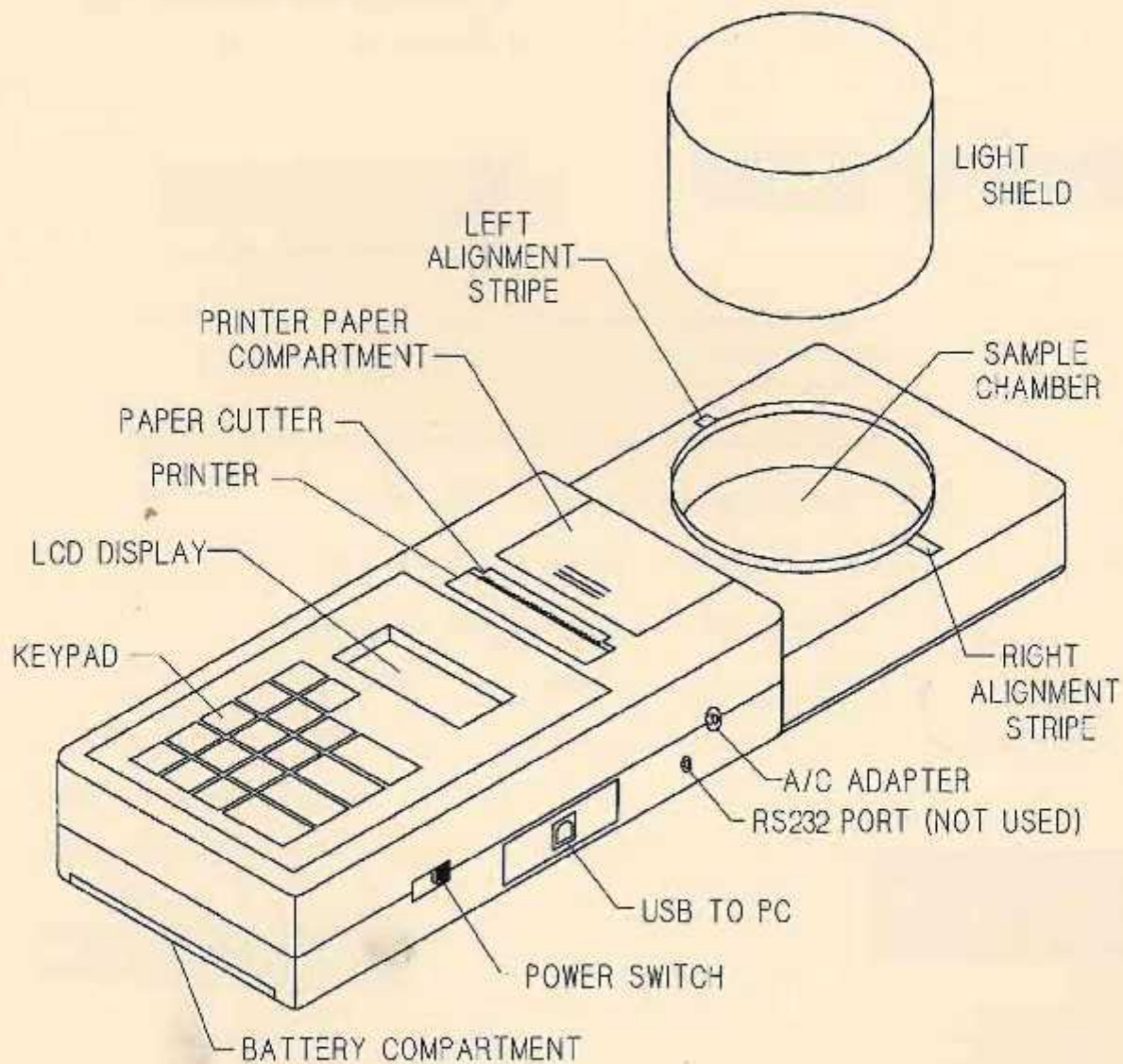
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WARNING

The ZX-101XL Portable Octane Analyzers are not explosion-proof:

Reasonable care must be used when handling these instruments.

All samples must be contained in sample holders for safety.

KEYPAD DESCRIPTION

Key Name

MEASURE	When the Display shows "Clear Chamber & Press Measure," remove any samples from the sample chamber and replace the light shield. Press this key to begin the measurement.
MENU	Press this key to bring up a list of commands or options.
SELECT	This key is used to confirm the current selection.
CANCEL	This key cancels current entry in the instrument.
↑, ↓	These keys cycle through selections or menu items.
DUP	This key is used to print a duplicate of the last reading.
PAPER FEED	This key feeds paper into the printer.

PREPARATION

1. Battery Installation

   Insert six 1.5V "AA" size **alkaline** batteries into the battery compartment located on the rear of the Main Body. Be sure the batteries are oriented as indicated in the battery compartment.

   Note: When you are running the ZX-101XL on batteries, please make sure the instrument is shut off when not in use. The batteries will last much longer if the instrument is turned off when sitting idle.

2. A/C Adapter

   Connect the A/C adapter cable to the A/C adapter jack located on the right hand side of the instrument (the jack closest to the top of the instrument).

PRINTER PAPER INSTALLATION

1) Switch power to **ON**.

2) Remove the gray plastic paper cover from the printer.

3) Make sure the end of the paper is cut at a steep angle. Start feeding the paper into the slit inside the Paper Roll Compartment, using the pointed end of the roll to guide the paper. Continue to feed the paper by pressing the **PAPER FEED** key.
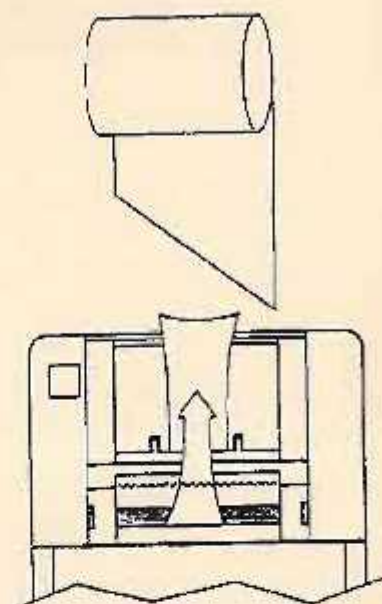
ENABLE/DISABLE A PRODUCT

1) Switch power to **ON**.

2) Press ↑ or ↓ until the display says "Enable Products"

3) Press SELECT.

4) Press the number key that corresponds to the product to toggle the product off or on.

> Example:
> Product # 0 = Gasoline
>
> a) Press **0**. "GASOLINE OFF" is displayed. Product # 0 - Gasoline is deactivated.
> b) Press **0** again. "GASOLINE ON" is displayed. Product # 0 - Gasoline is activated.

5) Press **Cancel** to return to "Clear Chamber & Press Measure"

Note: If the product is not named the instrument will use the Product # as a name.

LISTING OF PRODUCTS

The ZX-101XL allows the user to easily obtain a printed listing of products available in the instrument.

1) Switch power to **ON**.

2) After countdown is complete, press the **MENU** key.

3) Press ↑ or ↓ until the display says "Print Products" and press **SELECT**.

4) Press the **SELECT** key again to have the instrument print each product number and name. If a product is unnamed the instrument will print "<no name>".

MEASURING FUELS IN THE ZX-101XL

1) Switch power to **ON**. The display will show the version number followed by a 15-second countdown, after which "Clear Chamber and Press Measure" will appear.

2) Make sure there is no sample holder in the sample chamber. Cover the chamber with the light shield.

3) Press the **MEASURE** key to standardize the instrument. "Put in sample" will appear on the display. This indicates the instrument has been standardized; it is now ready to measure the sample. (The ZX-101XL must be standardized prior to making any measurement.)

4) Remove the light shield from the sample chamber.

5) Place the sample holder containing gasoline in the sample chamber, being careful to align the alignment stripe on the jar with the **left** alignment stripe on the instrument.

6) Carefully replace the light shield over the jar. This shield must **always** be used when measuring a gasoline sample or a standard; otherwise, the results will be incorrect.

7) Press **MEASURE**. "Remove & Replace" will be displayed.

8) Remove the jar and rotate it to align the stripe on the jar with the **right** alignment stripe on the instrument.

9) Carefully replace the light shield over the jar.

10) Press **MEASURE**. "Remove & Press M" will be displayed.

11) Remove the jar and cover empty chamber with light shield. Press **MEASURE**. The results will appear in the display while they are printed.

12) After the measurement is complete, repeat steps 3 - 8 to measure another sample.

AUTOMATIC FUEL TYPE DETECTION

When enabled, the ZX-101XL has the ability to detect what type of fuel is being analyzed. Depending on what calibrations are purchased, the "Switch" in the ZX-101XL can determine if the sample entered is Gasoline, Ethanol Blended Gasoline, or Gasoline below 90-RON.

To activate the Switch:

1) Turn instrument on.

2) Press 1. The printout will inform you that the Switch has been activated for the next sample reading.

3) Measure the sample as described in **Measuring a Sample**.

If you decide that you do not want the Automatic Fuel Type Detection activated, press **CANCEL** before taking the reading.

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