GET TO KNOW YOUR ZX-101SQ

Light Shield

Printer Paper
Compartment

Printer

Paper Cutter

Display

Keypad

Alignment Stripe

Sample Chamber

A/C Adapter

USB to PC

Power Switch

Battery
Compartment

Sample Holder
with Lid

A/C Adapter
(style may vary)

USB Cable

USB Flash drive
containing software,
user's manuals, and
backup data (style
may vary)

*Other accessories include 6 Extra Sample Holder Labels,
6 Batteries, 5 Rolls of Paper (1 roll in the instrument), and
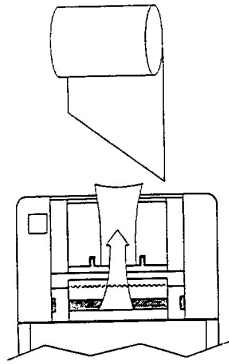a Carrying Case.

WARNING: The ZX-101SQ 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.

Battery Installation: Insert six 1.5V "AA" size **alkaline** batteries (provided) into the battery compartment located on the rear of the Main Body. Be sure the batteries are oriented as indicated in the battery compartment. Do NOT use rechargeable batteries.

A/C Power: Connect the A/C adapter cable to the A/C adapter jack located on the right side of the instrument.

Printer Paper Installation:
1) Switch power to **ON**.

2) Remove the gray plastic 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.

All manuals, software, drivers, and instrument backup files are stored on the included flash drive. If you need a replacement flash drive or would like a hard copy of the manuals, please contact Zeltex.

SPHERA GROUP s.r.o.
info@sphera-group.cz
Tel: +420 226 886 248
Průmyslová 7 Business Park
102 00 Praha, Czech Republic

Analyzing Fuel with the ZX-101SQ

1) Switch power to **ON**. The display will show the title and firmware version number followed by a 15-second countdown after which "Clear chamber, cover 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. After the "Reading" takes place, "Insert sample, cover and press MEASURE" will appear on the display. This indicates that the instrument has been standardized: it is now ready to measure the sample. (The ZX-101SQ must be standardized prior to making any measurement.)

4) Remove the light shield from the sample chamber.

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

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

7) Press **MEASURE**. After the "Reading" takes place, "Turn sample, cover and press MEASURE" will be displayed.

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

9) Carefully replace the light shield over the sample holder.

10) Press **MEASURE**. After the "Reading" takes place, "Remove sample, cover and press MEASURE" will be displayed.

11) Remove the sample holder and cover the empty chamber with the light shield. Press **MEASURE**.

12) After the measurement is complete, repeat steps 3-11 to measure another fuel sample.