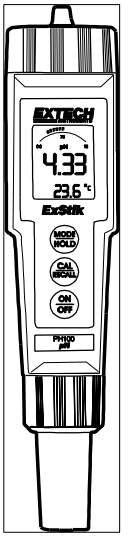
EXTECH INSTRUMENTS

Instructions for Carpet Cleaners

:tech pH pen is a sophisticated item. It has many functions
l the normal use for a professional carpet cleaner. We have
ied the instructions for normal use and highlighted the features
:ial to the professional carpet cleaner. For more in-depth
ation about the use and features of the PH100 refer to the user

Features and Benefits



- The unique flat surface electrode lets you read pH levels of fabric and carpet with the addition of a minimal amount of moisture.
- The pH of a spot or stain can be determined to aid in selection of the best approach to removing the problem.
- It will help the cleaner analyze a problem in the fabric or carpet by determining the pH of the carpet prior to cleaning.
- It provides a quick way for a cleaner to determine if the carpet, especially wool, is properly neutralized.
- **Including a pH pen in your inspection kit and using it will communicate a level of professionalism beyond that of your competition**.

Simplified Approach

Generally a cleaner does not need to know the exact pH, he or sh
needs to know the range. Ranges can be classified as strongly aci
3, mildly acidic 3-6, neutral, 6-8, mildly alkaline, 8-11, strongly
alkaline, 11-14. In this sense, constant calibration is unnecessary
waiting for the pH reading to settle on a three digit number is not
required. The pH reading will very quickly settle on the first digi
It can take up to 30 seconds to settle on the next two digits.

Since this level of precision is not essential, a one point calibratic
pH 7 buffer should be sufficient. It is not necessary to calibrate b
every use, but periodic calibration is required. The "CAL" messa
appear on the LCD after 15 cyles of operation. A cycle is each tir
meter turns on and off. **It should be noted that to conserve batt
life the meter is programmed to turn off after 10 minutes if nc
buttons have been pressed.**

Getting Started

1. Remove the plastic tabs from the battery compartment
energize the batteries.
2. Before the first use or after prolonged storage use the p
calibration cup to soak the electrode in either tap water
buffer solution for 10 minutes.
3. To calibrate simply add 20 ml of your buffer solution i
calibration cup, turn the meter on, insert the electrode i
calibration solution and press the "CAL" button. The "
will blink for a few seconds then "END" will appear o
LCD. The calibration is complete and the meter automa
switches back to the normal operating mode.
4. The pH meter is now ready for use.

Carpet and Fabric Sampling Procedure

. Use a trigger spray bottle to apply a mist of water to the affected area and to a non-affected spot. The n
affected spot can be very close to the affected spot. Use caution not to add too much water as this will a
the pH of the carpet or fabric.*****
. Agitate the areas for testing with a clean bone scraper. Agitating with a towel or hand could corrupt the
readings by introducing other substances to the area.
. Apply the pH meter electrode to the area to be tested.****** Ignore the first two or three readings. Agitate
faceyarn with the probe for best results. Dragging the probe from the affected sample area to adjacent a
can reveal a wealth of valuable information.*******

Flat surface pH electrodes require the least amount of water.

***** Clean the electrode with a soft damp clothe or with tap water.

****** Dragging may shorten the life of the electrode.

lease note that this sampling method was developed and tested by JBS Consultants, Frisco, TX.