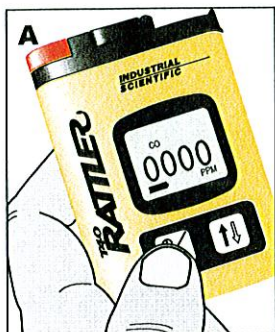


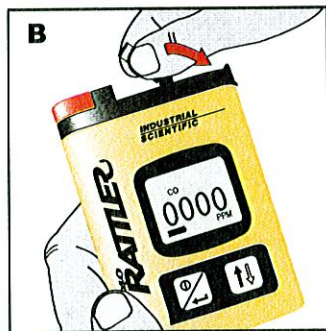
## Turning the T40 Rattler ON/OFF



**On/Off** To turn the unit on, press and hold the 'On/Off' button until the word "On" appears on the display.

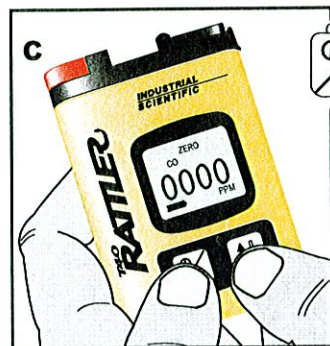
The T40 Rattler will power up and begin a warm up routine which includes tests of the display, audible, visual, and vibrating alarms. Following this brief warm up, the T40 Rattler enters the gas readings mode signified by the four digit display and gas identifier icon. To turn off the T40 Rattler, simply press and hold 'On/Off' for five seconds (four beeps).

## Zeroing / Calibrating the T40 Rattler



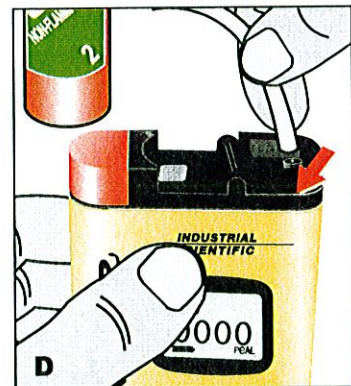
A function or "bump" test, using a known concentration of calibration gas, should be performed periodically based on instrument use, exposure to gas, and environmental conditions. The frequency is best determined by company policy or local regulatory agencies. If an instrument fails a function or "bump" test, or, if it is dropped, submerged, or appears damaged, a full calibration is recommended.

The safest approach is to perform a function or "bump" test prior to each day's use. Industrial Scientific is not responsible for establishing customer safety practices and policies.



**On/Off** **Mode** To zero the T40 Rattler, press 'On/Off' and 'Mode' simultaneously (C). The T40 Rattler will automatically zero and beep after approximately 10 seconds, signaling that the zeroing process is complete. If you do not wish to perform a span calibration, flip the calibration adapter back to its original position and the T40 Rattler will return to the gas reading mode.

**Note:** Never zero the T40 Rattler in an environment that is known to contain a background of CO or H<sub>2</sub>S. For these environments, use zero air gas.



After the zeroing process is complete, the T40 Rattler will beep, signaling it is ready to be span calibrated. To perform a span calibration, connect the supplied tubing between the regulator and calibration adapter as shown (D), turn the regulator's flow control to "open," and press 'On/Off' and 'Mode' simultaneously. The T40 Rattler will begin to show its response to the applied gas as a full span on the display. After approximately 1.5 minutes, the T40 Rattler will finish the calibration routine and display the status of the sensor. Remove tubing and flip calibration adapter back to its original position.

The three status conditions are: GOOD – the sensor is healthy and should operate