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RPT113
MAX REGISTER THERMOMETER INSTRUCTIONS

IMPORTANT: Autoclaveable O-rings have been placed on the thermometer to help prevent damage during use. Do not remove the O-rings.

1) The thermometer should be reset prior to each use as described in Step #2 below.

2) Shake the thermometer until the column registers approximately ambient room temperature.

   NOTE: The thermometer registers the highest temperature it has been exposed to and holds that temperature indication until reset. This feature works on the principle of a constricted capillary; on heating, the expansion of the mercury within the bulb forces the mercury column through the constriction. The constriction prevents the mercury column from retreating under the influence of gravity or mild vibration. Retraction of the column is accomplished by "shaking" the thermometer, much like one would a fever thermometer, thus generating centrifugal force and forcing the mercury column back through the constriction.

   Do not be concerned about the apparent separation of the mercury column below the constriction. This is a normal condition while the indication is above ambient temperature, and will not affect the accuracy of the indication. The mercury will rejoin after shaking down to ambient temperature.

3) Place the thermometer into the environment to be measured.

   WARNING: When using this thermometer to verify temperature within a sterilizer, do not place the thermometer directly onto the chamber surface. Place the thermometer on the instrument tray during temperature verification, and do not remove the autoclaveable O-rings that have been placed on the thermometer - they are there to help protect the thermometer during use.

4) The thermometer should be allowed to remain exposed to the temperature you wish to measure for at least five minutes, and then allowed to cool to ambient temperature before it is read.

5) Read the thermometer in an upright position and only after it has cooled to ambient termperature or you will obtain a falsely high reading.