

Texas tipping bucket maintenance

The funnel and bucket mechanism must be kept clean. Routinely check for and remove any foreign material, dust, insects, etc. The following calibration check is advised every 12 months.

Field Calibration Check:

- (1) Secure a container that will hold at least one quart of water.
- (2) Punch a very small hole in the bottom of the can.
- (3) Place the can in the top funnel of the rain gage and pour 16 fluid ounces (473.2ml) of water into the can.
- (4) If it takes less than 45 minutes for this water to run out, the hole in the can is too large.
- (5) The following number of tips should occur:
TE525, TE525MM 100+-3
TE525WS 57+-2
- (6) Adjusting allen screws are located on the bottom adjacent to the large center drain hole. Adjust both screws the same number of turns. Rotation clockwise increases the number of tips; counter clockwise rotation decreases the number of tips. One half turn of both screws causes a 2% to 3% change.
- (7) Check and re-level the rain gage lid.