

bucket w/ Stock: 101.77

~~Weight~~

Weight Name	Reading	Reading	Reading
PVC Cup	6	6.68	6.65
+10 lbs	99.82	100.65	100.14
+20 lbs	192.88	195.93	195.11
+30 lbs	290.91	290.37	286.76
+40 lbs	387.76	384.11	384.02

102.71

device weight

10 lb

$$100.26 - 6.443 = 93.81$$

$$194.64 - 6.443 = 188.19$$

$$289.76 - 6.443 = 283.31$$

$$383.96 - 6.443 = 377.52$$

Avg weight

Δ

94.38

95.12

94.21

$$\text{avg } \Delta = 94.57$$

no correlation
between higher
weights & $\Delta \Delta U$

$$94.57 \text{ units} / 10 \text{ lbs} = 9.457 \text{ units per lbs}$$

Predicting reading for weight: my weight: 155-160

$$\text{predicted reading: } 160 \cdot 9.457 = 1513.12$$

$$\text{read weight} = 1564.32. \text{ based on prediction: } 1564.32 / 9.457 = 165.41$$