

Real World Dimension Calculator

(1) Manual calculated
values:

$$W = 13.5 \text{ cm}$$

$$H = 4 \text{ cm}$$

$$\text{Diagonal} = 14 \text{ cm}$$

(2) With real world
calculator:

$$W = 13.17 \text{ cm}$$

$$H = 3.75 \text{ cm}$$

$$\text{Diagonal} = 13.7 \text{ cm}$$

$$W_{error} = \frac{W_{real} - w_{cal}}{W_{real}}$$

$$= \frac{13.5 - 13.17}{13.5}$$

$$W_{error} = 0.024$$

$$t_{error} = \frac{4 - 3.75}{4}$$

$$t_{error} = 0.06$$

$$D_{error} = \frac{14 - 13.7}{14}$$

$$D_{error} = 0.021$$