

# 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:

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

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

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

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

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

$$W_{\text{error}} = 0.024$$

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

$$t_{\text{error}} = 0.06$$

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

$$D_{\text{error}} = 0.021$$