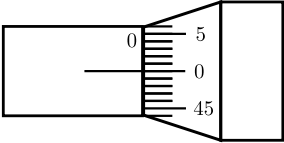
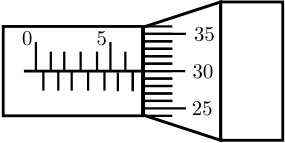
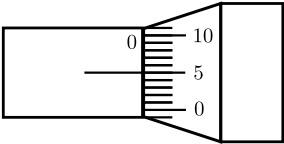
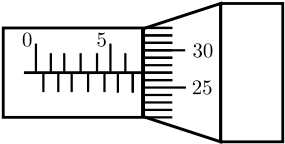
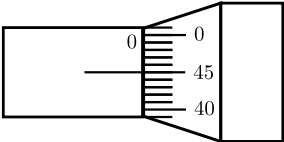
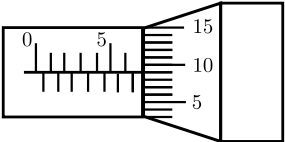


Screw gauge (Measurement with zero errors)

Zero error	Observed reading	Corrected reading
 <p>No zero error</p>	 $6.5 + 30 \times 0.01 \text{ mm} = 6.8 \text{ mm}$	<p>No zero error correction</p> <p>6.8 mm</p>
 <p>Positive zero error of +0.05 mm</p>	 $6.5 + 27 \times 0.01 \text{ mm} = 6.77 \text{ mm}$	<p>Positive zero error is subtracted from the observed reading.</p> $6.77 - (+0.05) \text{ mm} = 6.72 \text{ mm}$
 <p>Negative zero error of -0.05 mm</p>	 $6.5 + 9 \times 0.01 \text{ mm} = 6.09 \text{ mm}$	<p>Negative zero error is added to the observed reading.</p> $6.09 - (-0.05) \text{ mm} = 6.14 \text{ mm}$