

Dead-Weight tester

Objective:

It is used to calibrated all kinds of pressure gauges such as industrial pressure gauges , engine indicators and piezoelectric transducers

By comparing pressure in the required calibrated device and the add weight on the primary piston

Table of the observation and results:

Observation:

<u>Actual pressure</u> <u>(kg/cm²)</u>	<u>Indicated pressure</u>		
	<u>Loading</u>	<u>Unloading</u>	<u>Average</u>
<u>0</u>	<u>0</u>	<u>0</u>	
<u>1</u>	<u>1.1</u>	<u>1.1</u>	<u>1.1</u>
<u>2</u>	<u>2.1</u>	<u>2.1</u>	<u>2.1</u>
<u>3</u>	<u>3.2</u>	<u>3.21</u>	<u>3.2</u>
<u>4</u>	<u>4.4</u>	<u>4.25</u>	<u>4.325</u>
<u>5</u>	<u>5.4</u>	<u>5.4</u>	<u>5.4</u>
<u>6</u>	<u>6.5</u>	<u>6.6</u>	<u>6.55</u>

