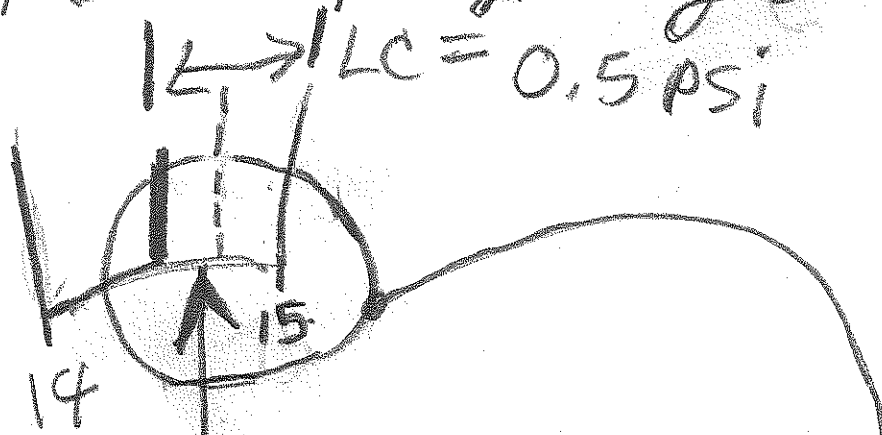


11-22-13  
P vs T  
LAB

PHYSICS ZA

HOW TO

Read P-gauge:



MARKER reads 14.5 PSI

OFFSET EXAMPLE

EXAMPLE ←  
14.76 = HAYWARD

P (out of water)  
you guessed 14.0

offset = 0.76  
ROUND TO 0.8

ADD\*

- $P_1 = 14.5 + 0.8$
- $P_2 = 15.0 + 0.8$
- $P_3 = 16.0 + 0.8$
- $P_4 = 17.0 + 0.8$
- $P_5 = 18.5 + 0.8$

MARKER reads 14.5

LOW\*  

$$\begin{array}{r} 14.76 \\ - 14.0 \\ \hline 0.76 \end{array}$$

BLOW UP:



MARKER reads 15.0

OFFSET computation:



← Hg (mercury column height)  
 760 mm = 14.7 PSI

30.06 inch Hg NOW IN HAYWARD

1 mm = 0.1 cm

1 inch = 2.54 cm  
 = 25.4 mm

\* (30.06 in) \* (25.4 mm / in)

= 763.524 mm NOW IN HAYWARD

760 mm = 14.7 PSI

763.524 = 14.76 PSI \*\*

time and date.com:

= ACTUAL HAYWARD ATMOSPHERIC PRESSURE