

**Piston Gauge Calculator**

Piston Gauge Platform: Pressurements M2800-3-F

Piston-Cylinder: Pressurements M2800, 10-800 psi

Mass Set: Pressurements M2800 to 800 psi

Trim Mass Set:

Mass Bell:

Medium: Sebacate DHI

Measurement Mode: Gauge

Ambient Temperature (C): 68.00

Ambient Humidity(%RH): 40.

Ambient Pressure (kPa): 101.325

Ambient Pressure Height (cm): 0.00

Head Height (cm): 0.0

Test Gravity (m/s<sup>2</sup>): 9.78302

Piston Position (mm): N/A

Local Gravity (m/s<sup>2</sup>): 9.78302

Pressure Display Resolution: 0.00001

Pressure (psi): **800.03168**

Load (psi): **800.03168**

Mass List

- 1P4 1.00000 psi
- 5P 5.00000 psi**
- 10P1 10.00000 psi
- 10P2 10.00000 psi
- 10P3 10.00000 psi
- 10P4 10.00000 psi
- 50P 50.00290 psi
- 1 100.00558 psi
- 2 100.00509 psi
- 3 100.00460 psi
- 4 100.00411 psi
- 5 100.00362 psi
- 6 100.00313 psi

Masses To Load

Piston 1.00000 psi  
 CarrierM 9.00000 psi  
 10P1 10.00000 psi  
 10P2 10.00000 psi  
 10P3 10.00000 psi  
 10P4 10.00000 psi  
 50P 50.00290 psi  
 1 100.00558 psi  
 2 100.00509 psi  
 3 100.00460 psi  
 4 100.00411 psi  
 5 100.00362 psi  
 6 100.00313 psi  
 7 100.00265 psi

Close

## Setup Piston-Cylinder

The image shows two screenshots of the 'Piston-Cylinder Editor' software interface. The top screenshot shows the 'Characteristics' tab, and the bottom screenshot shows the 'Calibration' tab. Both windows have a title bar, a close button, and a 'Piston-Cylinder Label' field containing 'Pressurements M2800, 10-800 psi'. A blue bar on the right of each window displays '11 / 11'. The right side of each window contains a vertical toolbar with icons for file operations, printing, and help.

**Piston-Cylinder Editor** (Top Window)

Piston-Cylinder Label: Pressurements M2800, 10-800 psi

11 / 11

Header | Calibration | Tolerance | Characteristics

Manufacturer: Pressurements

Model: M2800-3-F

Serial Number: 61166

Identification: X1096

Customer ID: [Empty]

Piston-Cylinder Type: Dead Weight Tester

Close

**Piston-Cylinder Editor** (Bottom Window)

Piston-Cylinder Label: Pressurements M2800, 10-800 psi

11 / 11

Header | Calibration | Tolerance | Characteristics

Calibration Date: 7 /28/2005

Calibration Due Date: 7 /28/2015

Calibration Performed By: Ruska-Pressurements

Certification ID: 070561166

M&TE Device:

Record Last Edited: 10/30/2010 7:39:22 PM

Record Last Edited By: Admin

Close

**Piston-Cylinder Editor** [X]

Piston-Cylinder Label:  11 / 11

Header | Calibration | **Tolerance** | Characteristics

Effective Area Tolerance Type:  ▾

%Reading:

Constant Offset:  psi

**Piston-Cylinder Editor** [X]

Piston-Cylinder Label:  11 / 11

Header | Calibration | Tolerance | **Characteristics**

Piston Name:

Corresponding Pressure \* :

Pressure Unit:  ▾

Pressure Resolution (psi)\* \* :  ▾

## Setup Mass Set

**Mass Set Editor** [X]

Mass Set Label  4 / 4

Header | Calibration | **Mass Set** | Tolerance

Manufacturer


Model

Serial Number

Identification

Customer ID

Mass Set Type



**Mass Set Editor** [X]

Mass Set Label:  4 / 4

Header | Calibration | **Mass Set** | Tolerance

Individual Masses

- CarrierM 9.00000 psi
- 0.1P 0.10000 psi
- 0.2P1 0.20000 psi
- 0.2P2 0.20000 psi
- 0.5P 0.50000 psi
- 1P1 1.00000 psi
- 1P2 1.00000 psi
- 1P3 1.00000 psi
- 1P4 1.00000 psi
- 5P 5.00000 psi
- 10P1 10.00000 psi

Individual Mass Settings

Mass Name \*

Corresponding Pressure \*

Makeup Mass

Adjusted Gravity (m/s<sup>2</sup>) \*

Pressure Unit \*

Mass Set Resolution (psi)

Mass Set Total

Close

**Mass Set Editor** [X]

Mass Set Label:  4 / 4

Header | Calibration | **Mass Set** | Tolerance

Individual Masses

- 10P2 10.00000 psi
- 10P3 10.00000 psi
- 10P4 10.00000 psi
- 50P 50.00290 psi
- 1 100.00558 psi
- 2 100.00509 psi
- 3 100.00460 psi
- 4 100.00411 psi
- 5 100.00362 psi
- 6 100.00313 psi
- 7 100.00265 psi

Individual Mass Settings

Mass Name \*

Corresponding Pressure \*

Makeup Mass

Adjusted Gravity (m/s<sup>2</sup>) \*

Pressure Unit \*

Mass Set Resolution (psi)

Mass Set Total

Close

Mass Set Editor

Mass Set Label

4 / 4



Save



Header Calibration Mass Set Tolerance

Manufacturer	<input type="text" value="Pressurements"/>
Model	<input type="text" value="M-2800-3-F"/>
Serial Number	<input type="text" value="61166"/>
Identification	<input type="text"/>
Customer ID	<input type="text"/>
Mass Set Type	<input type="text" value="Dead Weight Tester"/>

Close

Setup DWT

**Piston Gauge Platform Editor** [X]

Record Label:  2 / 5

Editing Record

Header | Calibration | P-C/MS | Sources | Comment

Platform Device Type:

Record Type:

Manufacturer:

Model:

Serial Number:

Identification:

Customer ID:

This device can be used as a DUT.

Platform Type:

**Piston Gauge Platform Editor** [X]

Record Label:  2 / 5

Header | Calibration | **P-C/MS** | Sources | Comment

Piston-Cylinder:

Mass Set:

Trim Mass Set:

Mass Bell:

Default Medium:

Limited to Default Medium

Default Measurement Mode:

Limited to Default Measurement Mode