

# Dead Weight Testers



Overview of the masses for all piston type pressure gauges (in bar)

**T10-000-001**

Model	PD 1	PD 6	PD 10	PD 25	PD 60	PD 100	PD 600	PD 1000	PD 2500
Pressure ranges	0.03 – 1	0.1 – 6	0.1 – 10	0.1 – 25	0.25 – 60	0.25 – 100	10 – 600	10 – 1000	25 – 2500
Basic load <sup>1)</sup>	<b>0.03</b>	<b>0.05</b>	<b>0.10</b>	<b>0.10</b>	<b>0.25</b>	<b>0.25</b>	<b>10</b>	<b>10</b>	<b>25</b>
Version ◆ = plate / ○ = bell	◆	◆	◆	◆	◆ / ○ <sup>4)</sup>	◆ / ○ <sup>4)</sup>	○	○	○
Weights	<b>0.01</b>	1	1	4	4				
	<b>0.02</b>	3	1						
	<b>0.03</b>		1						
	<b>0.04</b>		1						
	<b>0.05</b>	1	4	1	1				
	<b>0.10</b>	2		4	4				
	<b>0.20</b>					1	1		
	<b>0.25</b>	1	1						
	<b>0.40</b>					2	2		
	<b>0.50</b>	1	4	1	1				
	<b>1</b>			4	4	1	1		
	<b>2</b>					4	4	1	1
	<b>2.5</b>		1						
	<b>4</b>							2	2
	<b>5</b>			1	4				
	<b>10</b>					5	9	1	1
	<b>20</b>							4	4
<b>25</b>									
<b>50</b>									
<b>100</b>							5	9	
<b>250</b>									
Supplementary weight <sup>2)</sup>	<b>0.47</b>	<b>0.45</b> <b>2.45<sup>3)</sup></b>	<b>0.90</b> <b>4.90<sup>3)</sup></b>	<b>0.90</b> <b>4.90<sup>3)</sup></b>	<b>0.15</b> <b>to 10<sup>3)4)</sup></b>	<b>0.15</b> <b>to 10<sup>3)4)</sup></b>	<b>90</b>	<b>90</b>	<b>225</b>
Basic load + supplementary weight	<b>0.50</b>	<b>0.50</b> <b>2.50<sup>3)</sup></b>	<b>1.00</b> <b>5.00<sup>3)</sup></b>	<b>1.00</b> <b>5.00<sup>3)</sup></b>	<b>0.40</b> <b>10<sup>3)</sup></b>	<b>0.40</b> <b>10<sup>3)</sup></b>	<b>100</b>	<b>100</b>	<b>250</b>

<sup>1)</sup> With the basic load, the smallest pressure is generated.

<sup>2)</sup> The supplementary weight serves to supplement the basic load to a "round" value.

Pressures between basic load and basic load + supplementary weight are generated with basic load and weights.

<sup>3)</sup> An additional supplementary weight exists for these models, which enables a higher initial value.

<sup>4)</sup> These models can optionally be used with or without bell-shaped base plate. The first weight, stamped "auf 10 bar" (to 10 bar), is to be used only in connection with the bell-shaped base plate.

Example: PD1

Basic load: 0.03 bar

+ Supplementary weight: 0.47 bar

0.50 bar

To generate 0.3 bar, you require: basic load (0.03 bar) + weights (0.02 bar + 0.05 bar + 0.1 bar + 0.1 bar).