

Dead Weight Tester

Overview of the masses for all piston type pressure gauges

T10-000-001

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Model PD ... pressure ranges (bar)	Basic load ¹⁾ (bar)	Version = plate = bell ◆ ○	Weights (bar)																							Supplemen- tary weight ²⁾	Basic load + supplemen- tary weight
			0.01	0.02	0.03	0.04	0.05	0.10	0.20	0.25	0.40	0.50	1	2	2.5	4	5	10	20	25	50	100	250				
1 0.03 – 1	0.03	◆	1	3			1	2		1		1													0.47	0.50	
6 0.1 – 6	0.05	◆	1	1	1	1	4			1		4			1										0.45 2.45 ³⁾	0.50 2.50 ³⁾	
10 0.1 – 10	0.10	◆	4				1	4				1	4				1								0.90 4.90 ³⁾	1.00 5.00 ³⁾	
25 0.1 – 25	0.10	◆	4				1	4				1	4				4								0.90 4.90 ³⁾	1.00 5.00 ³⁾	
60 0.25 – 60	0.25	◆ ○ ⁴⁾								1		2		1	4					5					0.15 to 10 ³⁾⁴⁾	0.40 10 ³⁾	
100 0.25 – 100	0.25	◆ ○ ⁴⁾								1		2		1	4					9					0.15 to 10 ³⁾⁴⁾	0.40 10 ³⁾	
600 10 – 600	10	○													1		2		1	4			5		90	100	
1000 10 – 1000	10	○													1		2		1	4			9		90	100	
2500 25 – 2500	25	○																1	2		1	4		9	225	250	

¹⁾ With the basic load, the smallest pressure is generated.

²⁾ The supplementary weight serves to supplement the basic load to a "smooth" value.

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

³⁾ For these models exists an additional supplementary weight, which enables a higher initial value.

⁴⁾ 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, the following is required: basic load (0.03 bar) + weights (0.02 bar + 0.05 bar + 0.1 bar + 0.1 bar).



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