

PROZA ELECTRONIC TECHNOLOGIES

- OEM pressure sensor, pressure transmitters, melt pressure transmitters
- Intelligent pressure transmitters, differential pressure transmitters
- Hydraulic level transmitters
- Temperature sensors
- Load cells, load pins, force transducers
- Metal foil strain gauges, semiconductor strain gauges



PROZA PZDN Series High Accuracy Piston Dead Weight Tester



XI'AN PROZA ELECTRONIC TECHNOLOGY CO., LTD.

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Features:

- Comply with China national JJG59-2007<< Piston Pressure Dead Weight Tester>>.
- The piston rod and cylinder are made of tungsten carbide material with high strength, high hardness and low temperature expansion coefficient to improve the wear resistance of the piston, reducing the linear expansion coefficient and deformation coefficient of piston rod and cylinder.
- The hanging basket structure of the dead weight tester with 5~250bar and bigger than 5~250bar range features low center of gravity and excellent stability.
- Easy and fast pressure ports make test two gauges synchronously without oil leakage.
- Thanks to the digital display screen on the base, testing data could be easy to read accurately.

Main Specifications:

- Model: PZDN-6, PZDN-60, PZDN-250, PZDN-600, PZDN-1000, PZDN-1600.
- Output pressure range: 0.4~6bar, 1~60bar, 5~250bar, 10~600bar, 20~1000bar, 20~1600bar, 50~2500bar (option on request) .
- Accuracy: 0.005%rdg ($\pm 0.005\%$ rdg), 0.01%rdg ($\pm 0.01\%$ rdg), 0.02%rdg ($\pm 0.02\%$ rdg), 0.05%rdg ($\pm 0.05\%$ rdg).
- Function: Calibrate pressure gauges, pressure transmitters, pressure switches and other pressure instruments.
- Materials of piston rod & cylinder: tungsten carbide.
- Materials of weights: Non-magnetic stainless steel (Grade 0.005, 0.01, 0.02), Carbon steel (Grade 0.05).
- Working liquid: for the range < 5~250bar, it is the transformer oil and kerosene mixture; for the range \geq 5~250bar, it is sebacic acid diester.

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Technical Parameters:

Parameters		Unit	Data								
Model Nr.		/	PZDN-6	PZDN-60		PZDN-250	PZDN-600		PZDN-1000	PZDN-1600	PZDN-2500
Output Pressure Range		bar	0. 4~6	1~60		5~250	10~600		20~1000	20~1600	50~2500
Nominal upper limit		bar	6	60		250	600		1000	1600	2500
Nominal lower limit		bar	0.4	1		5	10		20	20	50
Upper limit of output pressure		bar	6	60		250	600		1000	1600	2500
Lower limit of output pressure		bar	0.4	1		5	10		20	20	50
Nominal area of piston		cm ²	1	0.2	0.5	0.1	0.1	0.05	0.05	0.05	0.025
Carrier & piston	Nominal mass	Kg	0.4	0.2	0.5	0.5	1	0.5	1	1	1.25
	Produced pressure	bar	0.4	1	1	5	10	1	20	20	50
Supplied weights	Nominal mass	Kg	0.1; 0.5	0.2; 1	0.5; 2.5	0.5; 2.5	1; 5	0.5; 2.5	0.5; 1; 2; 5	0.5; 1; 2; 5	1.25; 2.5; 5
	Produced pressure	bar	0.1; 0.5	1; 5		5; 25	10; 50	10; 50	10; 20; 40; 100	10; 20; 40; 100	50; 100; 200
	Quantity	unit	6; 10	4; 11		4; 9	4; 11	4; 11	1; 2; 1; 9	1; 2; 1; 15	1; 2; 11
Pressure port		/	M20×1.5	M20×1.5		M20×1.5	M20×1.5	M20×1.5	M20×1.5	M20×1.5	M20×1.5
Weight		Kg	35	42	60	47	84	54	74	104	110
Working liquid		/	Transformer oil and kerosene mixture at 20°C, the CSt is 9~12mm ² /s, Acid value ≤0.05KOHmg/g.			Sebacic acid diester at 20°C, the CSt is 20~25mm ² /s, Acid value ≤0.05KOHmg/g.					

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