

Deadweight type Force Calibration Machine (PDW-20kN)



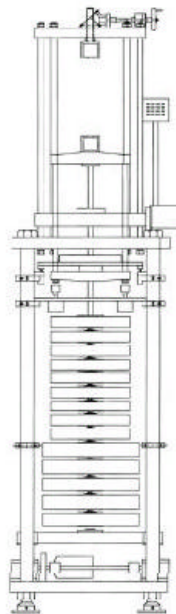
Feature

- This machine as a force calibration and standard system has designed to generate the very precise load using the accurate deadweights and apply to force transducers like a loadcell.
- For using deadweights to make load, the accuracy of the load is very high; the accuracy is 0.003% of rated load.
- From 50 kgf to 2,000 kgf load can be applied to force transducers.
- For Tare Weight and the center of gravity is low, the structure is stable.
- The durability of the machine is good for the material of main parts is Stainless Steel.
- The system is operated by manual, semi-automatic, and full-automatic mode.
- At full automatic mode, after setting loadcell to be tested a user can do a calibration test by pressing only the start button, there is no other action needed for the test and even the test report is printed out.

Specification

Equipment	Deadweight Standard Machine
Model	PDW-20kN
Calibration mode	Compression (Optionally Tension mode addable)
Capacity	min 50 kgf, max 2000 kgf
Accuracy	0.003 % load
Deadweights	50 kgf (tare, 1 ea), 50 kgf (1 ea), 100 kgf (9 ea) 200 kgf (5 ea)
Operating Mode	Manual, Semi/Full-Automatic
Time to Apply or Remove	5~10 seconds
Weight Step	20 steps
Control	Motor & Reducer Pneumatic Cylinder & Solenoid Valve with Control Panel
Option	SUS Weight Indicators
Power Supply	AC220V-60Hz-3 Phases
Pneumatic Supply	4.5~7 bar

Dimension



PDW-20kN	
Mechanical part	
Width(mm)	1000
Depth(mm)	1000
Height(mm)	2500
	4000 (adding Tension mode)
Controller	
Width(mm)	700
Depth(mm)	850
Height(mm)	1200

Functions

- ◆ Compression and tension load
- ◆ By clicking one touch button, fully automated operation from applying the load to printing test report
- ◆ Design of deadweights considered acceleration of gravity

Applications

- ◆ Force Calibration and Standard Machine
- ◆ Calibration and test of Force transducers including loadcell
- ◆ Material test machine
- ◆ Nonlinearity, Hysteresis, Repeatability, Creep Test are possible

Software

- ◆ Graphic User Interface
- ◆ OS : Windows 95 / 98 / 2000 / NT

Deadweight type Force Calibration Machine (PDW-5kN)



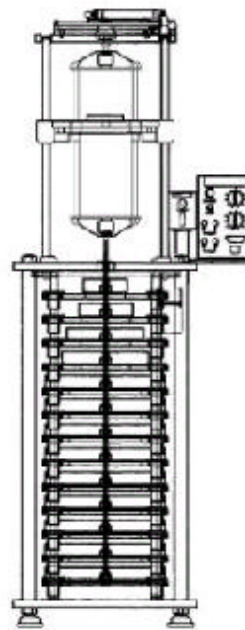
Feature

- This machine as a force calibration and standard system has designed to generate the very precise load using the accurate deadweights and apply to force transducers like a loadcell.
- For using deadweights to make load, the accuracy of the load is very high; the accuracy is 0.002% of rated load.
- From 5 kgf to 500 kgf load can be applied to force transducers.
- For Tare Weight and the center of gravity is low, the structure is stable.
- The durability of the machine is good for the material of main parts is Stainless Steel.
- The system is operated by manual, semi-automatic, and full-automatic mode.
- At full automatic mode, after setting loadcell to be tested a user can do a calibration test by pressing only the start button, there is no other action needed for the test and even the test report is printed out.

Specification

Equipment	Deadweight Standard Machine
Model	PDW-5kN
Calibration mode	Compression (Optionally Tension mode addable)
Capacity	min 5 kgf, max 500 kgf
Accuracy	0.002 % load
Deadweights	5 kgf (tare, 1 ea) 5 kgf (1 ea), 20 kgf (1 ea) 25 kgf (1 ea), 50 kgf (9 ea)
Operating Mode	Manual, Semi/Full-Automatic
Time to Apply or Remove	5~10 seconds
Weight Step	60 steps
Control	Motor & Reducer Pneumatic Cylinder & Solenoid Valve with Control Panel
Option	SUS Weight Indicators
Power Supply	AC220V-60Hz-3 Phases
Pneumatic Supply	4.5~7 bar

Dimension



	PDW-5kN
Mechanical part	
Width(mm)	660
Depth(mm)	660
Height(mm)	2210
Controller	
Width(mm)	600
Depth(mm)	400
Height(mm)	1520

Functions

- ◆ Compression and tension load
- ◆ By clicking one touch button, fully automated operation from applying the load to printing test report
- ◆ Design of deadweights considered acceleration of gravity

Software

- ◆ Graphic User Interface
- ◆ OS : Windows 95 / 98 / 2000 / NT
- ◆ Setting up Arbitrary Calibration and Test Procedure
- ◆ Selecting Operation Mode
- ◆ Data Base of Test Results

Applications

- ◆ Force Calibration and Standard Machine
- ◆ Calibration and test of Force transducers including loadcell
- ◆ Material test machine
- ◆ Nonlinearity, Hysteresis, Repeatability, Creep Test are possible