

# PD13

## Bench Type Deadweight Tester



### Features

- The PD13 is the smallest and lightest bench type deadweight tester. It incorporates a preliminary pump and a fine adjustment to make pressure adjustment easily.
- Pressure can also be measured by installing a test gauge instead of deadweight.
- The pressure gauge can be easily mounted and dismantled from the mounting base with the quick fastening nut.
- Cylinder positioning marker, level, and level adjustment bolts are the standard equipment.
- JCSS Calibration Certification
- NKS Inspection Certificate and Pressure standard Inspection available.

### Specification

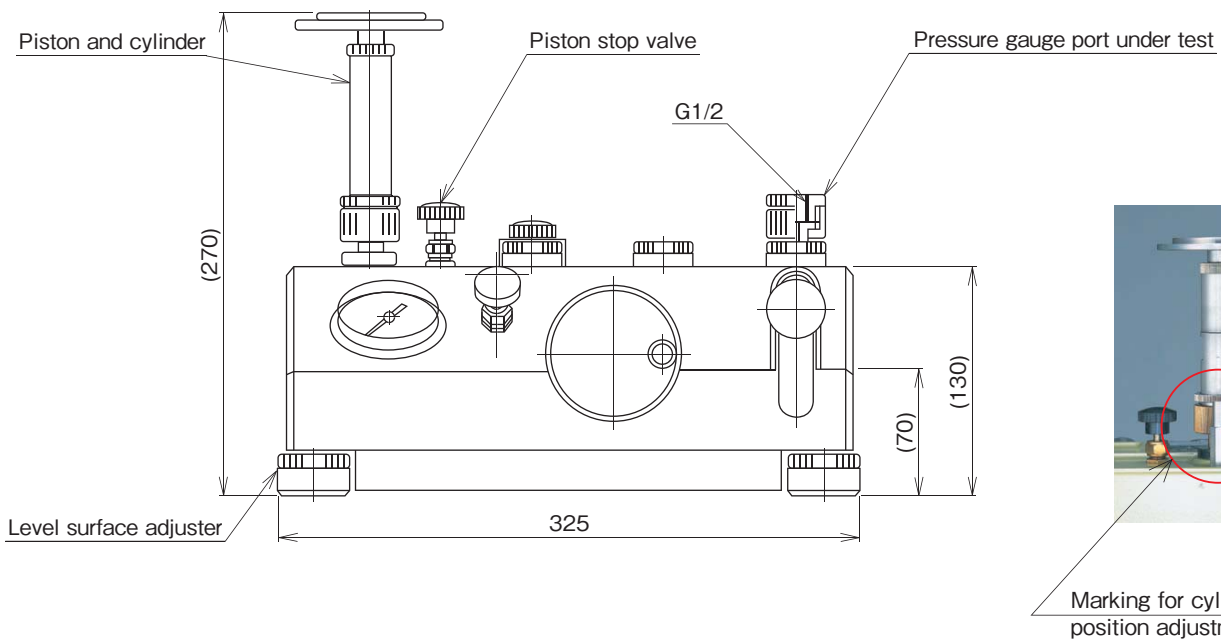
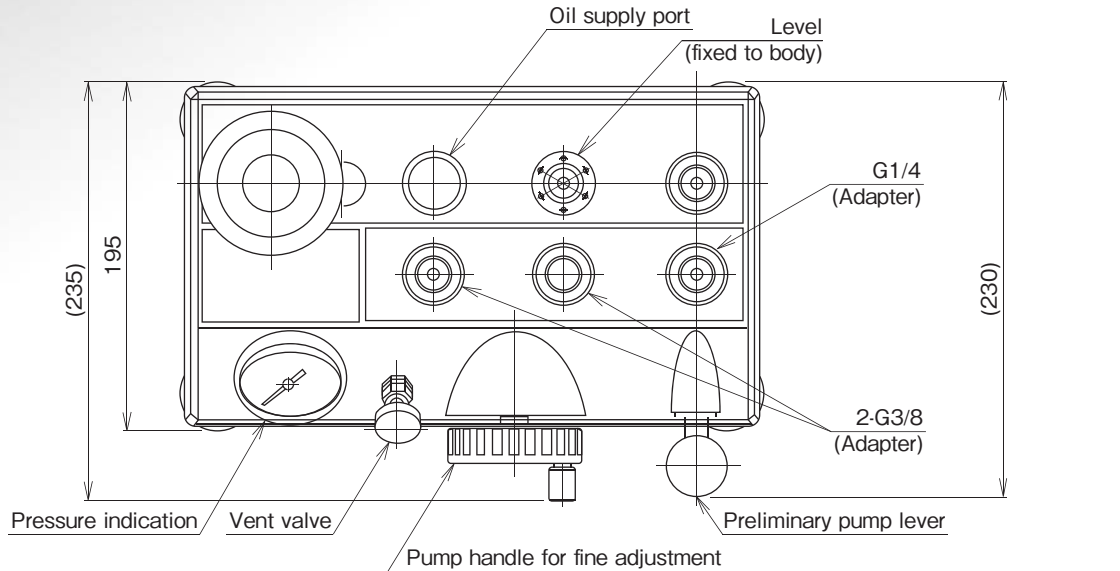
<b>Type</b>	Bench type
<b>Operating fluid</b>	Hydraulic fluid
<b>Operation</b>	Manual
<b>Pressure range</b>	1 to 5MPa (0.1%O.R. is not available for 1MPa and 2 MPa.)
<b>Accuracy</b>	±0.1% of reading ±0.2% of reading
	Primary pressure measurement only. Secondary pressure measurement range covers lower outside range of primary pressure measurement range (10% of maximum rated pressure). Primary pressure measurement range: Range between 10% to maximum range of rated pressure Secondary pressure measurement range: Range between minimum to 10% of rated pressure
<b>Body color</b>	Pearl light green (±0.1%O.R.) Mustard yellow (±0.2%O.R.)
<b>Body weight</b>	9.5kg

### Deadweight composition

Measurement range MPa			Effective sectional area cm <sup>2</sup>	Deadweight MPa								Net weight of deadweight Approx. kg	
Max.	Min.	Smallest graduation		Piston	Number of weights by value						Total		
					0.05	0.005	0.01	0.02	0.05	0.1			0.2
1 ※	0.05	0.005	1/2	1	1	1	2	2	8			1.005	5
2 ※		1			1	2	2	2	8			2	10
3		1			1	2	2	2	1	5		3.1	16
5		1					1	2	1	9		5	26

※0.1%O.R. is not available.

## Dimensions



## ACCESSORIES & OPTIONS

Model	Mounting base		Spare parts, tools, accessories								
	Connection	Connecting method	Adapter				O-ring and gasket	Piston Gasket	Wrench and other tools	Case (option)	
			G1/4	G3/8	G1/2	G3/4				Carrying case	Weight box
PD13	Adapter	Quick fastening nut	1	2	2	—	P7-10	—	—	1	1 to 3MPa 1 ----- 5MPa 2



**Documents**

Specify "Document name" when required

Document name	Applicable document	Explanation
Additionally available traceability certificate	Certificate of calibration and inspection for pressure standard used for inspection (Copy)	Copy of certificate that pressure gauge or pressure standard used for the inspection is traceable to National Secondary Standard owned by qualified company.
	JCSS certificate of calibration (Copy)	Copy of certificate of working standard that the working standard is traceable to National Secondary Standard owned by qualified company.
	jcass test report (Copy)	Copy of certificate of National Secondary Standard that the National Secondary Standard owned by qualified company is traceable to National Standard.

**Traceability Chart of Measurement Standard**

