

## DEAD WEIGHT TESTER MODEL : P910 & P911 SERIES

# WISE<sup>®</sup>

### SERVICE INTENDED

P910 & P911 Series are designed for the gauge pressure calibration. The operating range of these series are available upto 10Mpa. P910 & P911 series proceed setting, testing and repairing pressure measurement.

### DIMENSIONS

Base 186mm(W)×275mm(H)×286mm(D)  
excluding hand wheel

### COLOR

Black

### RESERVOIR

These series have a centrally isolated mounting valve and a transparent cover which can be sealed in order that tester is moved without oil leakage.

### SCREW PUMP

The use of a large diameter ram eliminates the need for a priming pump.

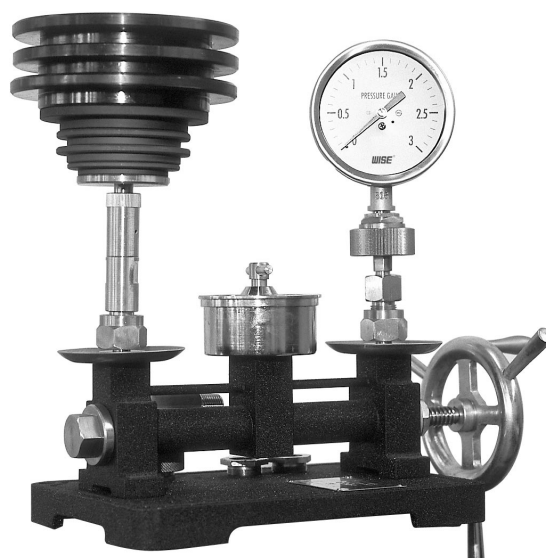
### ACCURACY

0.04%

### PISTON CYLINDER UNIT

The Tester is fitted with an oil reservoir, this is linked to the piston cylinder unit.

A stop valve is provided to prevent excessive pressure driving the piston out of the cylinder.



## STANDARD SPECIFICATION

Dead Weight Tester			
Model No.		P910	P911
Range	Maximum	5MPa	10MPa
Range	Minimum	0.05MPa	0.1MPa
Minimum unit pressure		0.05MPa	1MPa
Area of ram		1/2cm <sup>2</sup>	1/4cm <sup>2</sup>
Diameter of ram		7.979mm	5.6420mm
Dead-weight Corresponds to (Mpa)	Ram	0.05MPa	1PCS
		0.1MPa	1PCS
	Dead Weight	0.05MPa	1PCS
		0.1MPa	2PCS
		0.2MPa	1PCS
		0.5MPa	9PCS
		1MPa	9PCS
Total		5MPa	10MPa
Tester Body	Weight	10kg	10kg
	Box Weight	7.5kg	7.5kg
Total Weight	Weight	26kg	26kg
	Box Weight	2.8kg	2.8kg

## SPARE PARTS & TOOL

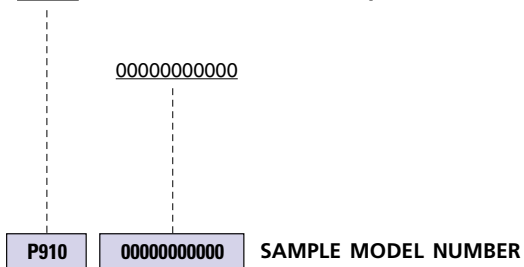
Standard Accessories	Q'ty(pcs)
Union 1/2"	2
Union 1/3"	1
Union 1/4"	1
300mm Wrench	1
250mm Wrench	1
L Type union 1/2"	1
Packing for Union	10
Packing for Piston	3
Hammer	1
Pointer Remover	1
Oil Drum	1

## ORDERING INFORMATION

### BASE MODEL

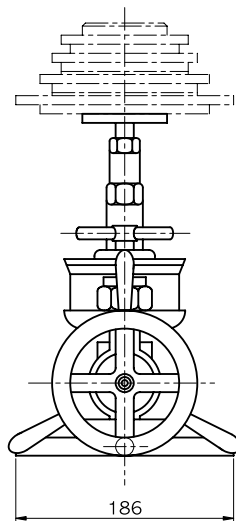
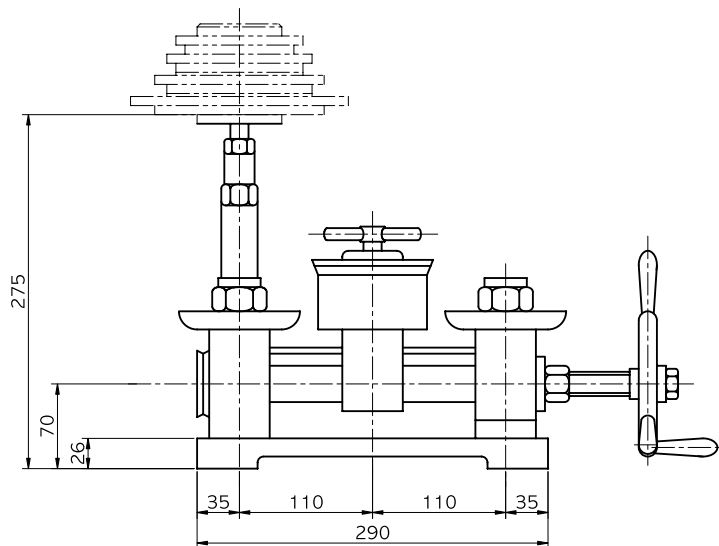
P910 : DEAD WEIGHT TESTER(CALIBRATION RANGE : 5MPa)

P911 : DEAD WEIGHT TESTER(CALIBRATION RANGE : 10MPa)



**P910, P911 : TYPE OF MOUNTING**

CODE P910,P911



Dimensions (mm)

AVAILABLE CODE	RANGE (MPa)	INCREMENT (MPa)	PISTON AREA (cm <sup>2</sup> )
P910	0.05~5	0.05	1/2
P911	0.1~10	0.1	1/4

## CONVERSION TABLE

PRESSURE CONVERSION CHART								
PSI	ATM	kg/cm <sup>2</sup>	in.H <sub>2</sub> O	mmHg	in.Hg	kPa	Bar	mmH <sub>2</sub> O
1	0.068046	0.070307	27.7276	51.715	2.03602	6.895	0.06895	704.28104
14.696	1	1.0332	407.484	760	29.921	101.325	1.01325	10350.0936
14.2233	0.96784	1	394.38	735.559	28.959	98.096	0.98067	10000
0.036092	0.002454	0.00253	1	1.8651	0.07343	0.249	0.00249	25.4
0.019336	0.001315	0.001359	0.53616	1	0.03937	0.1333	0.001333	13.618464
0.491154	0.0033421	0.03453	13.6185	25.4	1	3.3864	0.033864	345.9099
0.145	0.00987	0.010197	4.0186	7.5006	0.2953	1	0.01	102.07244
14.5038	0.98692	1.01972	402.156	750.062	29.53	100	1	10214.7624
0.00142	0.000097	0.0001	0.03937	0.0734	0.0029	0.0098	0.000098	1

VOLUME CONVERSION CHART							
GALLON (U.S)	CUBIC FEET	CUBIC INCHES	BARRELS (OIL)	CUBIC CM	CUBIC METER	LITER	IMP. GALLON
1	0.1337	231	0.02381	3785	0.003785	3.785	0.8327
7.481	1	1728	0.1781	28320	0.02832	28.32	6.229
0.004329	0.000578	1	0.000103	16.39	0.000016	0.01639	0.003605
42	5.615	9702	1	159000	0.159	158.94	34.97
0.000264	0.000035	0.06102	0.000006	1	0.000001	0.001	0.00022
264.17	35.3144	61023	6.2906	1000000	1	1000	220.1
0.264	0.0353	61.03	0.0629	1000	0.001	1	0.22
1.201	0.1606	277.4	0.0286	4546	0.004546	4.546	1

MASS CONVERSION CHART							
lb.	oz.	kg	gm	gal H <sub>2</sub> O (32F)	long ton	metric tonne	ton
1	16	0.4536	453.6	0.1198	0.000446	0.000453	0.0005
0.0625	1	0.02835	28.35	0.00749	0.000027	0.000028	0.000031
2.205	35.27	1	1000	0.2642	0.009839	0.001	0.001102
0.002205	0.03527	0.001	1	0.000264	0.000000	0.000001	0.000001
8.345	133.5	3.785	3785	1	0.003726	0.003786	0.004171
2240	35840	1016.4	1016363	268.352	1	1.016	1.12
2204.6	35273	1000	1000000	264.11	0.9842	1	1.1023
2000	32000	907.03	909090.9	239.7	0.892857	0.907194	1

DENSITY CONVERSION CHART			
lb/ft <sup>3</sup>	gm/cm <sup>3</sup>	kg/m <sup>3</sup>	lb/m <sup>3</sup>
1	0.016018	16.0184	0.000578
62.43	1	1000	0.03613
0.06243	0.001	1	0.000036
1728	27.68	27679.8	1