

## 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 100kgf/cm<sup>2</sup>. 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	50kgf/cm <sup>2</sup>	100kgf/cm <sup>2</sup>
Range	Minimum	0.5kgf/cm <sup>2</sup>	1.0kgf/cm <sup>2</sup>
Minimum unit pressure		0.5kgf/cm <sup>2</sup>	0.5kgf/cm <sup>2</sup>
Area of ram		1/2cm <sup>2</sup>	1/4cm <sup>2</sup>
Diameter of ram		7.9792mm	5.642mm
Dead-weight Corresponds to (kgf/cm <sup>2</sup> )	Ram	0.5kgf/cm <sup>2</sup>	1PCS
		1.0kgf/cm <sup>2</sup>	1PCS
	Dead Weight	0.5kgf/cm <sup>2</sup>	1PCS
		1.0kgf/cm <sup>2</sup>	2PCS
		2.0kgf/cm <sup>2</sup>	1PCS
		5.0kgf/cm <sup>2</sup>	9PCS
		10.0kgf/cm <sup>2</sup>	9PCS
Total		50kgf/cm <sup>2</sup>	100kgf/cm <sup>2</sup>
Tester	Weight	78kg	78kg
	Box Weight	7.5kg	7.5kg
Ram	Weight	25kg	25kg
	Box Weight	2.75kg	2.75kg

### SPARE PARTS & TOOL

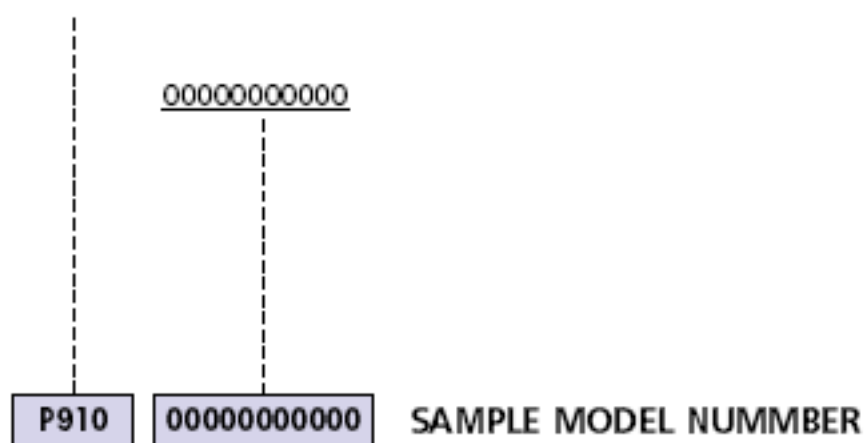
Standard Accessories	Q'ty(pcs)
Union 1/2"	2
Union 3/8"	1
Union 1/4"	1
300mm Wrench	1
250mm Wrench	1
L Type union 1/2"	1
Packing for Union	10
Packing for Piston	3
Hammer	1
Pointer Remover	1
Oil Drum	1

## ORDERING INFORMATION

#### BASE MODEL

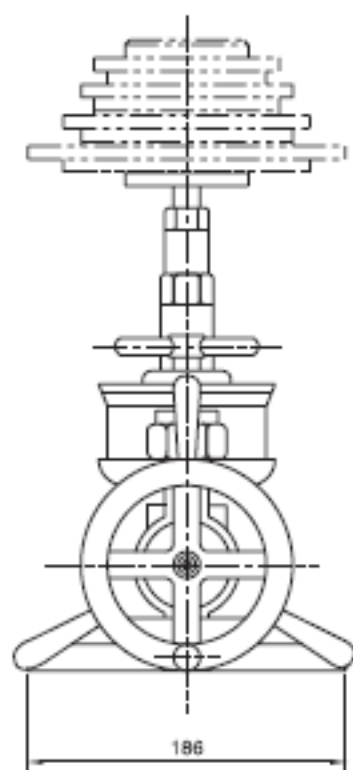
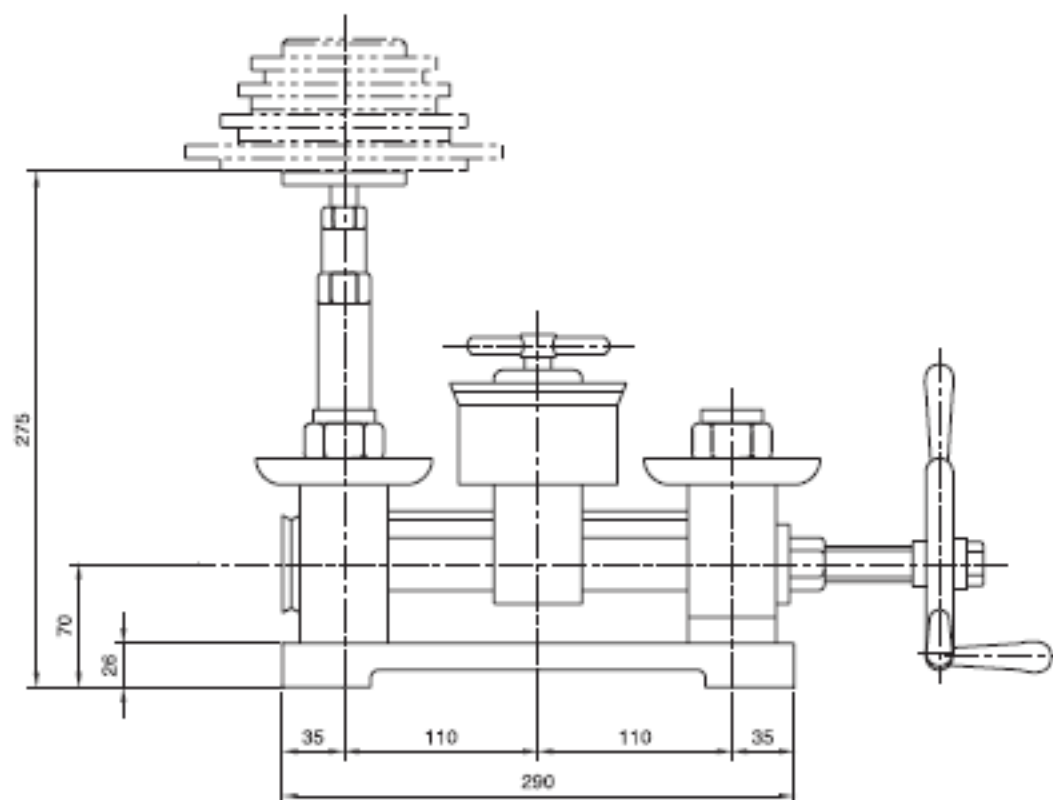
**P910 : DEAD WEIGHT TESTER(CALIBRATION RANGE : 50kgf/cm<sup>2</sup>)**

**P911 : DEAD WEIGHT TESTER(CALIBRATION RANGE : 100kgf/cm<sup>2</sup>)**



**P910, P911 : TYPE OF MOUNTING**

CODE P910,P911



Dimensions (mm)

AVAILABLE CODE	RANGE (kgf/cm <sup>2</sup> )	INCREMENT (kgf/cm <sup>2</sup> )	PISTON AREA (cm <sup>2</sup> )
P910	0.5 ~ 50	0.5	1/2
P911	1 ~ 100	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/in <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