

DEAD WEIGHT TESTER MODEL : P912, P913 & P914 SERIES

WISE[®]

SERVICE INTENDED

P912, P913 & P914 Series are designed for the gauge pressure calibration
The operating range of these series are available upto 100Mpa
P912, P913 & P914 series proceed setting, testing and
repairing pressure measurement.

DIMENSIONS

Base 400mm(W)×178mm(H)×280mm(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

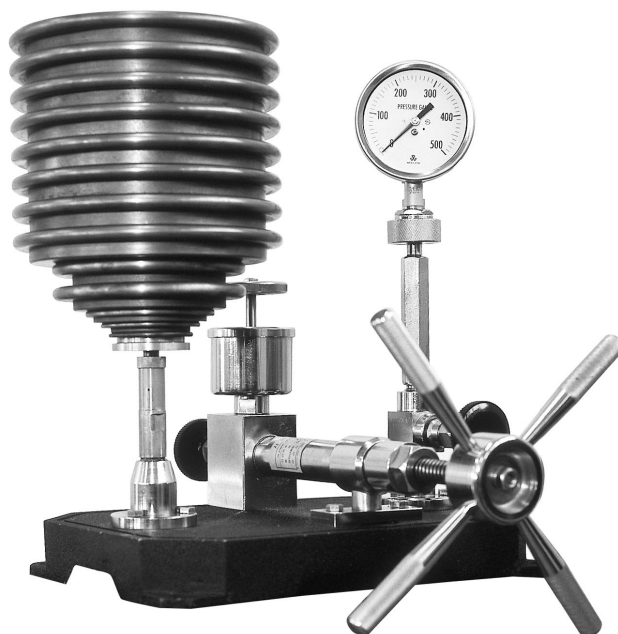
The use of a large diameter ram eliminates
the need for a priming pump.

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.



ORDERING INFORMATION

Dead Weight Tester					
Model No.		P912	P913	P914	
Range	Maximum	30MPa	50MPa	100MPa	
Range	Minimum	0.2MPa	0.2MPa	10MPa	
Minimum unit pressure		0.2MPa	0.2MPa	10MPa	
Area of ram		1/8cm ²	1/8cm ²	1/16cm ²	
Diameter of ram		3.989mm	3.9894mm	2.8209mm	
Dead-weight Corresponds to (Mpa)	Ram	0.2MPa	1PCS	1PCS	
		1MPa		1PCS	
	Dead Weight	0.1MPa	1PCS	1PCS	
		0.2MPa	2PCS	2PCS	
		0.3MPa	1PCS	1PCS	
		0.5MPa	1PCS	1PCS	1PCS
		1MPa	1PCS	1PCS	1PCS
		2MPa	2PCS	2PCS	1PCS
		5MPa	5PCS	9PCS	1PCS
		10MPa			9PCS
Total		31.5MPa	51.5MPa	102.5MPa	
Tester Body	Weight	18kg	18kg	18kg	
	Box Weight	9.5kg	9.5kg	9.5kg	
Total Weight	Weight	40kg	66kg	64kg	
	Box Weight	4.5kg	5.5kg	5.5kg	

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	1
Hammer	1
Pointer Remover	1
Oil Drum	1

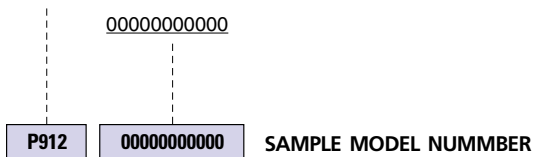
ORDERING INFORMATION

BASE MODEL

P912 : DEAD WEIGHT TESTER(CALIBRATION RANGE : 30Mpa)

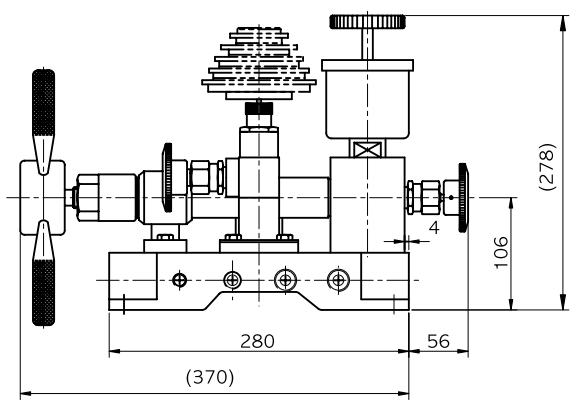
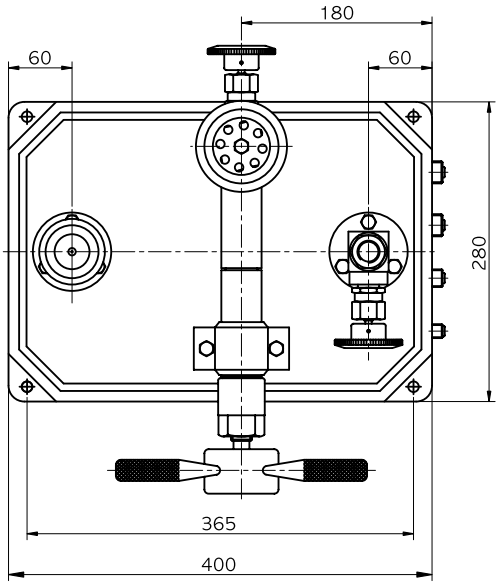
P913 : DEAD WEIGHT TESTER(CALIBRATION RANGE : 50Mpa)

P914 : DEAD WEIGHT TESTER(CALIBRATION RANGE : 100Mpa)



P912, P913 & P914 : TYPE OF MOUNTING

CODE P912,P913 & P914



Dimensions (mm)

AVAILABLE CODE	RANGE (MPa)	INCREMENT (MPa)	PISTON AREA (cm ²)
P912	0.2~0.3	0.2	1/8
P913	0.2~50	0.2	1/8
P914	1~100	1	1/16

CONVERSION TABLE

PRESSURE CONVERSION CHART								
PSI	ATM	kg/cm ²	in.H ₂ O	mmHg	in.Hg	kPa	Bar	mmH ₂ 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 ₂ 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 ³	gm/cm ³	kg/m ³	lb/m ³
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