



FEATURES

- Able to test two gauges synchronously; Applied the fast pressure plug.
- The piston rod is anti-breakage structure.
- With priming pump, it can fill oil to large capacity gauge, several gauges or long distance calibration pipeline

APPLICATIONS

- Primary standard for defining the pressure scale in a range of up to 1000bar.
- Pressure reference for factory and calibration lab for the testing, adjustment and calibration.

SPECIFICATION

Model (optional)	MT-L100DW-6T	MT-L100DW-60T	MT-L100DW-250T	MT-L100DW-600T	MT-L100DW-1000T
Range (bar)	(0.4~6)	(1~60)	(5~250)	(10~600)	(20~1000)

WORKING MEDIUM

<250 bar	Mixed oil (transformer oil and kerosene oil)
≥250 bar	Sebacate oil
Oil volume	250ml
Gravity	User's local gravity
Piston displacement:	LCD display

MATERIALS

Piston system (the rod and cylinder)	Tungsten carbide
Weight (Masses)	Non-magnetic stainless steel (0.02%); Carbon steel (0.05%)
Base	Stainless steel

SCOPE OF DELIVERY

Measuring base
Weights
Measuring system
"O" Ring
Hand Wheel
Operation manual & CD
Certificate of approval
Calibration record
Power adapter

ORDERING INFORMATION

Model		MT-L100DW-6T	MT-L100DW-60T	MT-L100DW-250T	MT-L100DW-600T	MT-L100DW-700T	MT-L100DW-1000T
Measurement range (bar)		0.4~6	1~60	5~250	10~600	10~700	20~1000/10~1000
Upper nominal limit (bar)		6	60	250	600	700	1000
Lower nominal limit (bar)		0.4	1	5	10	10	20/10
Upper measurement range (bar)		6	60	250	600	700	1000
Lower measurement range (bar)		0.4	1	5	10	10	20/10
Nominal area of piston		1	0.5	0.1	0.05/0.1	0.05/0.1	0.05
Chassis and piston	Nominal mass (kg)	0.4	0.5	0.5	0.5/1	0.5/1	1/0.5
	Pressure produced	0.4	1	5	10	10	20/10
Special weight	Nominal mass (kg)	0.1;0.5	0.5;2.5	0.5;2.5	0.5;2.5 or 1;5	0.5;2.5 or 1;5	0.5;1;2;5
	Pressure produced (bar)	0.1;0.5	1;5	5;25	10;50	10;50	10;20;40;100
	Quantity (piece)	6;10	4;11	4;9	4;11	4;11	1;2;1;9
Connection		M20 × 1.5 female					
Total weight, including box (kg)		26	50	45	50	55	75
Working medium		The kinematic viscosity of oil mixture of 25# transformer oil and mm ² /s aviation kerosene is 9~12 at 20°C, with the acid value no greater than 0.05mgKOH/g.			The kinematic viscosity of DI (2-ethyl-hexyl) sebacate is 20~25 mm ² /s at 20°C, with the acid value no greater than 0.05mgKOH/g.		