

# Pressure Gauge Testers

## Plumb pressure gauge testers

KP-1/MP-1/MP-2/MH-2/M3-6000

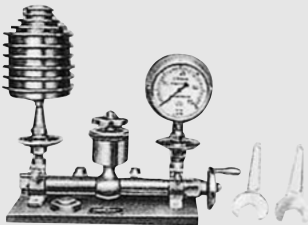
## Liquid-column pressure gauge testers

MPV-2

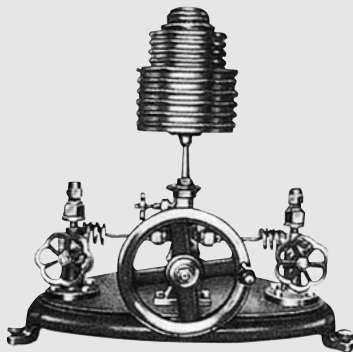
These pressure gauge testers are designed for the maintenance, adjusting and calibration of the pressure gauges and pressure-related measuring instruments that are used for trading and certification. These tester gauges are built pursuant to the Measurement Law. Pressures not higher than 0.2 MPa are dealt with the liquid-column testers and those exceeding that level are addressed by the plumb-type testers.

## Variations

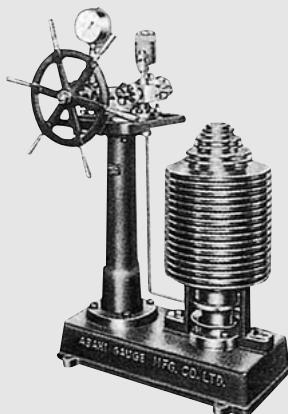
- KP-1 portable plumb pressure gauge testers in 1, 2, 3, and 5 MPa varieties.
- MP-2 desk-top plumb pressure gauge testers in 1, 2, 3, 5, and 10 MPa varieties.
- MP-1 desk-top plumb pressure gauge testers in 20, 30, and 50 MPa varieties.
- MH-2 console plumb pressure gauge testers in 50, 100, and 200 MPa varieties.
- M3-6000 console very high pressure plumb gauge tester 600 MPa.
- MPV-2 console (pressure/vacuum) liquid-column gauge testers 0 to -100 kPa, 0 to 200 kPa.



KP-1

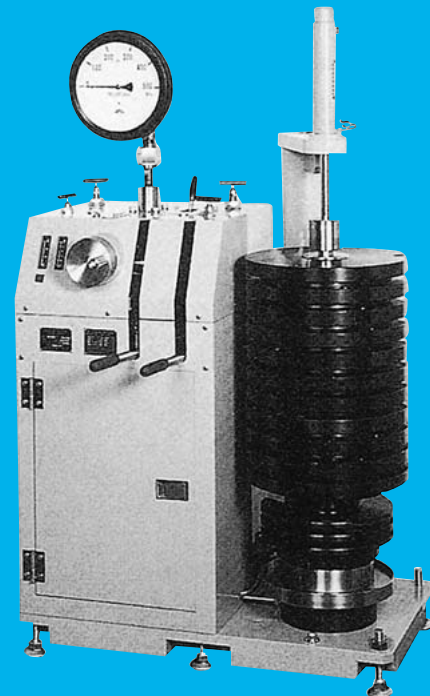


MP-2



MH-2

## ASAHI'S PRESSURE GAUGE TESTERS



M3-6000



ASAHI GAUGE MFG. CO., LTD.

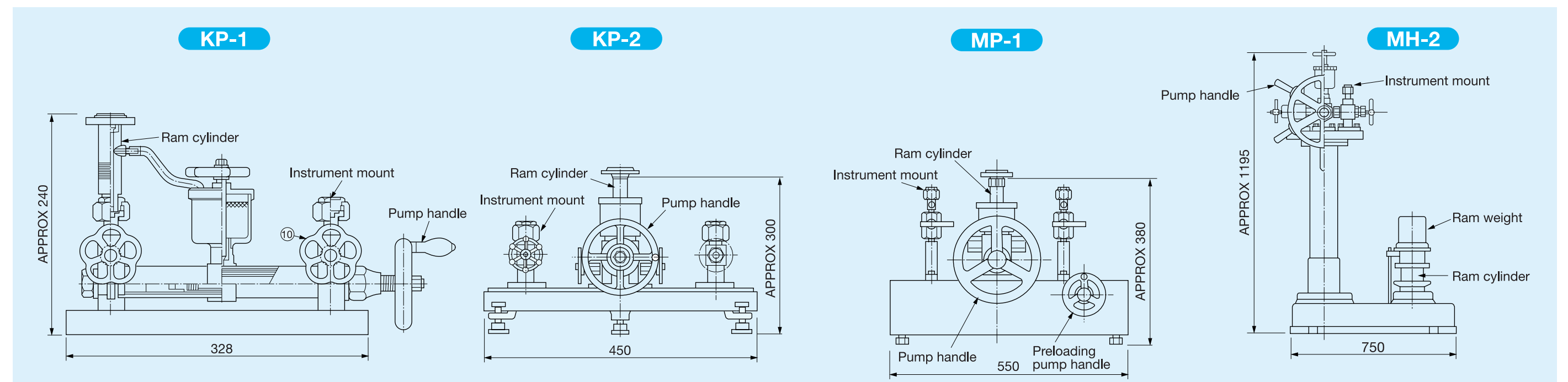
JAPAN

# ASAHI'S PRESSURE GAUGE TESTERS

## Plumb reference pressure gauges

Standard manufacturing specifications and the details of weights

Model		KP-1				MP-2					MP-1			MH-2			M3-6000	
Measuring range	Max. limit pressure	1	2	3	5	1	2	3	5	10	20	30	50	50	100	200	600	
	Min. limit pressure	0.05	0.05	0.1	0.1	0.05	0.05	0.1	0.1	0.1	0.5	0.5	0.5	5	10	10	50	
Smallest division within measuring range		0.01	0.01	0.01	0.05	0.01	0.01	0.05	0.05	0.05	0.1	0.1	0.5	0.5	0.5	1	10	
Ram	Cross-sectional area	1/2	1/2	1/4	1/4	1/2	1/2	1/4	1/4	1/4	1/8	1/8	1/8	1/4	1/8	1/8	1/20	
Details of weights	Ram weight (indicated pressure, MPa)	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.1	0.5	0.5	0.5	1	2	2	5	
	Bell weight (indicated pressure, MPa)	—				—								4	8	8	15	
	Disc weight classification and quantity (indicated pressure, MPa)	0.01	1	1	1		1	1										Disc weight 50 11
		0.02	2	2	2		2	2										
		0.05	2	2	2	1	2	2	2	2	2							
		0.1	8	2	2	3	8	2	2	2	2	1	1					Split weight 10 4
		0.2		8	3	3		8	3	3	3	2	2					
		0.5			4	8			4	8	2	2	2	1	2	2		
		1									8	2	2	3	2	2	1	
		2										8	3	3	1	1	2	
5												4	8	8	1	1		
10														8	2			
20															8			
Indicated weight amount (total MPa)		1	2	3	5	1	2	3	5	10	20	30	50	50	100	200	610	
Total mass (kg)		13	18	16	21	27	32	30	35	47	62	75	100	220	220	345	AP 500	



1. MP-1 is a preloading pump.
2. MP-3 is available in a high-pressure or low-pressure version or a version with 2 ram cylinders.  
Ram cross-sectional area: 1/10 on high-pressure side, 1/1 on low-pressure side.

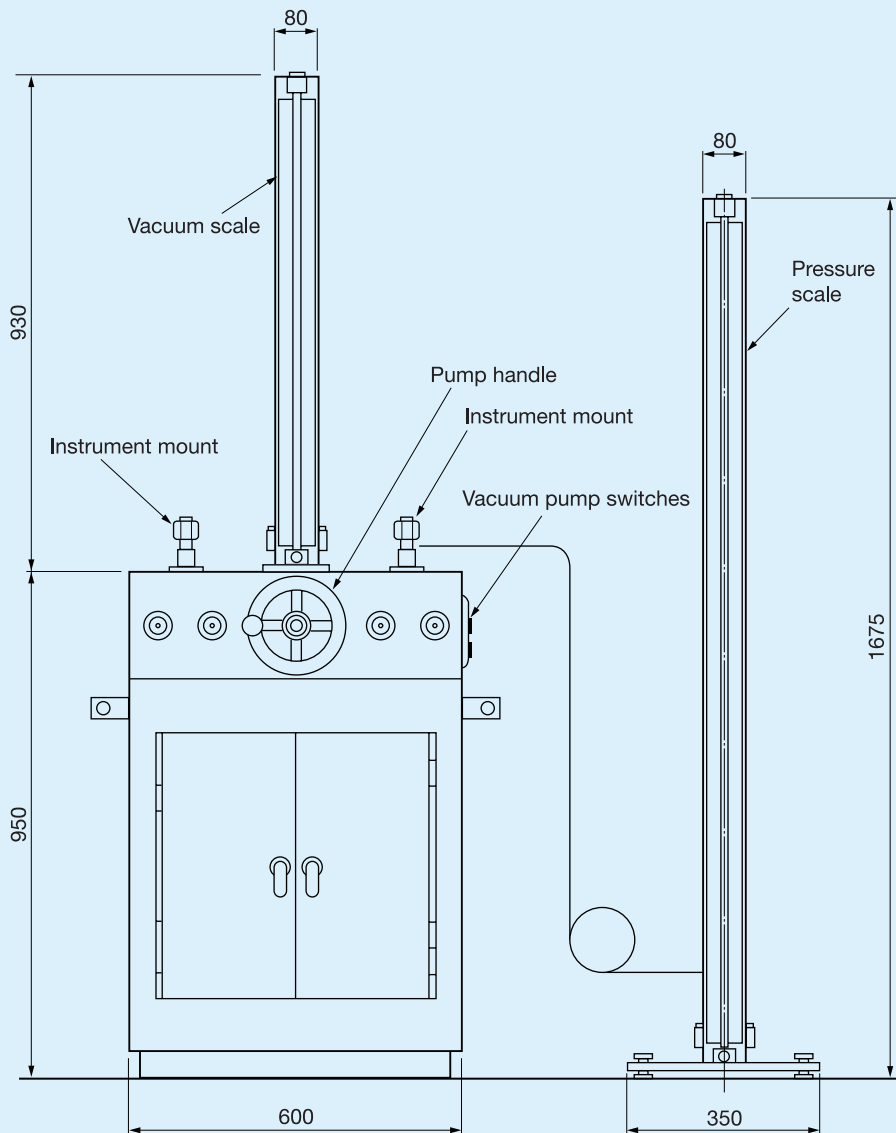
1. Regarding the M3-10000 very high pressure plumb gauge tester, a 1000 MPa version is made to order.
2. MP-2 is available in a water pressure version.

# Liquid-column pressure gauge tester

This tester is the combination of a mercury-column pressure gauge and a pump system. The tester compares a subject pressure gauge with the mercury-column gauge for testing. It switches the test modes, pressure and vacuum, by valve operation. Since our testers of this type are based on an ambient temperature of 20°C, it should be adjusted to changes of temperature.

## Standard manufacturing specifications

Model	MPV-2
Measuring range	Pressure mode, 0 to 200 kPa; smallest graduation, 0.5 kPa
	Vacuum mode, 0 to -100 kPa; smallest graduation, 0.5 kPa (also available in 0.2 kPa)
Pump	Manual, automatic
Accuracy	Not lower than 1/400 (at 20°C)



Note: These specifications may be changed for improvements without notice.

