

# BL569

# Compensated Micro Manometer



*The BL569 compensated micro manometer is a precision low pressure balance. It equipped a big movable reservoir and a small fixed reservoir. By moving up and down the big reservoir, the pressure generated by the water level difference between the big and small reservoir is balanced with the desired pressure from external pressure calibration pump. It is very easy to calibrate low pressure, vacuum and differential pressure in laboratory.*

## FEATURES

- Ranges  $\pm 2500$  Pa
- Accuracy is up to  $\pm 0.4$ Pa
- The transparent observation tube is equipped with a water gauge head, which can observe the level changes in big reservoir.
- The reflective mirror shows the contact between the water level head and the liquid level inside the observation tube.
- Fine adjust disc with 200 equal divides is fixed on a long screw. The long screw moves big reservoir up and down. The bottom scales shows the height of big reservoir.

## APPLICATIONS

- Low pressure calibration in metrology lab.
- Low pressure test, vacuum test, differential pressure test (non corrosive gases)

## SPECIFICATIONS

- Pressure range: -2500Pa to 2500Pa ( $\pm 10$  inch Water)
- Accuracy class: 0.02
- Tolerated error:  $\pm 0.4$ Pa (-1500Pa to +1500Pa);  $\pm 0.5$ Pa (-2500Pa to -1500Pa);  $\pm 0.5$ Pa (+1500Pa to +2500Pa)
- Liquid level resolution: 0.01mm
- Liquid in reservoirs: Distilled water, deionized water
- Stability: Maintain at 2500Pa for 3 minutes, and no pressure drop in the next 1 minute
- Maximum pressure: Maintain at 5000Pa for 10 minutes, and no pressure drop in the next 5 minutes
- Zero alignment tolerated error:  $< \pm 0.1$ Pa
- Zero return tolerated error:  $< \pm 0.2$ Pa
- Dimension: 230mm x 322mm
- Weight: 6kg

## SCOPE OF DELIVERY

- BL569 compensated micro manometer
- Flexible connection hose x 2
- User manual
- Transit case

## OPTIONAL ACCESSORIES AND SERVICES

- ISO17025 calibration certificate (P/N: CAL-569)
- Low pressure calibration pump

## ORDERING MODEL NUMBER

- BL569