

# DIAL GAUGE CALIBRATOR DGCV - 25



MICRON The dial gauge calibration tester series “ V ” is one of the most efficient design, specially to check dial indicators, dial test indicators (Lever type dials) and cylinder bore gauges reading 0.01mm. As an additional feature this is a 2 in 1 calibrator which can also calibrate 0.001mm reading dial indicators having short range.

Accuracy of the measuring equipment should be 3 to 10 times more accurate than the indicators to be tested. For this, large micrometer head with widely spaced graduation lines for better readability giving direct reading of 0.002mm and having a vernier scale with 9/10 divisions which gives a least count of 0.0002mm is provided. This is suitable for testing 0.01mm and 0.001mm dial gauges, giving an additional feature. Which makes it as real 2 in 1 tester.

## **INSPECTION OF PLUNGER DIALS.**

As shown in main photo calibrator is supplied with two brackets, one with a hole to mount or fix micrometer head and other with a “V” groove for mounting dial gauge holder, Lever type dials and Cylinder bore gauges. This “V” bracket has an adjustable clamp, which can be adjusted in slots to accommodate different sizes. Insert dial gauge holder which is provided with 8mm and 6mm holes to suit dial gauges stem. Clamp with screw provided ‘on the flat portion’ with the help of screw. Inset the dial gauge stem in the hole and tighten the screw gently to fix the dial. Check that the dial under test is properly tighten by rotating the dial with hands. Bring this bracket by positioning in such way that the dial point contacts micrometer face, with full dial gauge range. For example 10mm stroke dial adjust the dial for full pressure and micrometer to “Zero” Set the dial bezel to zero. Note the readings as per the standards according to which standards you are testing the dial under test in both directions. Repeat the readings as required by relevant standards.

### **Testing of Lever type Dials:**



Hold the Lever type dial gauge in the “V” holder as shown and repeat the above procedure as required in relevant standards.

### **Testing of Cylinder Bore gauges:**



Hold the Cylinder Bore Gauge in the “V” holder as shown and repeat the above procedure as required in relevant standards.