

**5094 101**

**Height and Marking  
Gauge**  
**Operating Instruction**

**ULTRAPRAZISION**   
MESSZEUGE GMBH

**Function:**

- (1) Stand
- (2) Magnifier
- (3) Fixing screw vernier
- (4) Fixing screw fine adjustment
- (5) Height adjustable beam
- (6) Height adjustment for beam
- (7) Fine adjustment
- (8) Holder for drawing point
- (9) Drawing point
- (10) Rail for magnifier

**Please note**

1. Before measuring make sure that the bottom of the stand (1) and the drawing point (9) have to be cleaned and the zero point has to be set carefully.
2. To transport the gauge take the stand (1). Never use the beam (5) for transport, the accuracy suffers.

**Zero point setting**

1. Mount the drawing point (9) and lock it well.
2. Loose the fixing screws (3) and (4) and bring the drawing point (9) slowly down until it particularly comes in contact with the reference surface.
3. Bring the zero point of the beam in accordance to the zero point of the vernier with the height adjustment (6) of the beam.

**Operating**

1. Loose the fixing screws (3) and (4) and bring the drawing point (9) slowly in the desired position.
2. Now lock the fixing screw of the fine adjustment (4) strongly and bring the drawing point (9) in the correct position with the fine adjustment (7).
3. Lock the fixing screw (3) strongly.
4. Now the drawing point (9) is fixed in precise position and the marking can start. (Please note that the unit can tilt, when marking in high position.)

After use move down the drawing point (9), leaving space between the drawing point (9) and surface plate.

For long term storage dismantle the drawing point (9), apply grease thoroughly to the bottom surface of the stand (1) and the holder (8). Also apply small quantity of anticorrosive oil on the beam (5).



**Note:**

Please prepare with measuring very carefully. The height gauge should be cleaned regularly with cotton-cloth. Do not use benzine or solvent. Prevent it from any shock and do not immerse the height gauge in any liquid.

