

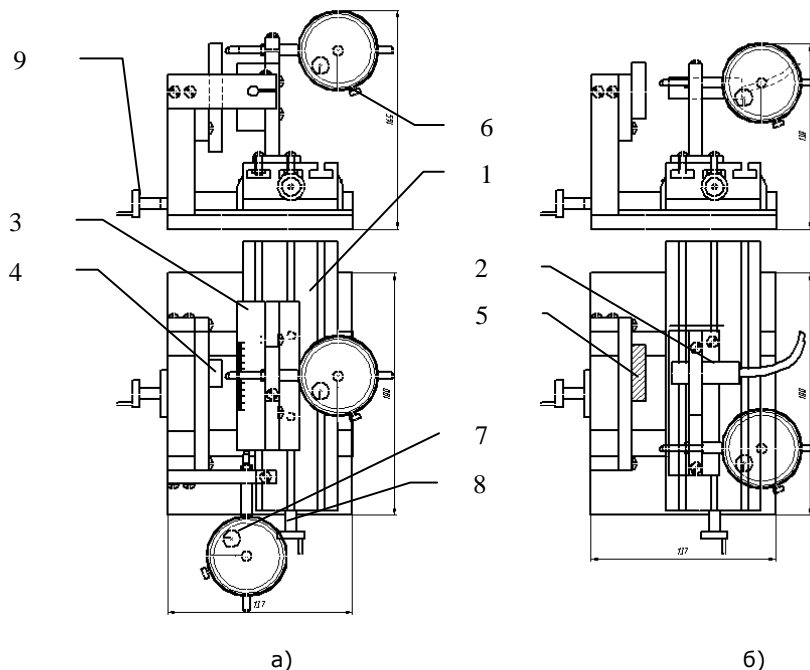


TWO-AXIS LINEAR DISPLACEMENT METER

IPD-177

Two-axis linear displacement meter IPD-177 is intended for calibration of displacement converters, displacement and displacement of strikers together with proximeters.

The sensors under test are installed on the IPD-177 in accordance with the figure.



Installation diagram. a) Proximeters K at stand IPD-177; b) Proximeters P at stand IPD-177. 1 - two coordinate table; 2 - Proximeters P; 3 - Proximeters K; 4 - model of metal of the "belt" type; 5 - model of metal for calibration of the Proximeters P; 6 - indicator of hour type "ИЧ-10"; 7 - dial indicator "ИЧ-50"; 8 - mechanism for moving the X axis; 9 - Y-axis movement mechanism.

The movement of the sensor relative to the "belt" is created by the movement of the carriage. The displacement value is counted when the flywheel rotates on the caliper lead screw and on the scale of the "ИЧ-50" dial indicator.

The gap between the collar and the sensor is set by rotating the lateral offset screw. On the scale of the dial gauge "ИЧ-10", the setting of the gap size is monitored.

Longitudinal displacement measurement range, mm	0 to 120
Measurement range of lateral displacement, mm	0 to 25
Basic error of setting the offset, mm	± 0.02
Dimensions, mm	325 × 230 × 125
Weight, kg	5,0

