

A device for linear dimensions measurement comprises a horizontal scale (DHS MICROTEx) with digital indication, pneumatic actuator, a pressure regulator, a choke and a gage calibrated to read force, which together with movable and stationary posts having foots form a frame providing compression of the rod with fixed force; moreover, when digital indication unit is nulled; details manufacturing errors, deformation of details being connected are chosen; moreover, a pneumatic actuator rod together with a horizontal scale (DHS MICROTEx) having a digital indication, movable and stationary posts with running rollers forms a frame. Running rollers provide forward motion of the device; digital indication unit fixates all deviations of thickness, height within rod length without adjustment.