

The invention relates to measuring engineering, in particular to appliances for measurement of force, weight and other mechanical values. Springy sensitive element is arranged as assembled solid of revolution with force leading and support elements that include straight levers placed at conical rim. Solid of revolution is arranged as two under-resistor cylindrical rings connected to each other by elastic rubber rods installed at middle circles of the rings. End surfaces of solid of revolution are equipped with flanges directed to opposite sides. To flanges force leading and support elements are connected.