s 2020 0063

The invention relates to the field of pressure measurement, and can be used for measuring low gas pressures.
The thermoelectric vacuum gauge, according to the invention, comprises a hollow cylindrical body (2) of a heat-conducting material, inside which is fixed a sensitive element (1), made of a thin electrical insulating film, on the surface of which are applied a heating circuit and a measuring circuit, the latter being made in the form of a battery of thermocouples. On both sides of the sensitive element (1) is placed a flat heat-conducting screen (3 and 4) with through holes (7) and with a mirror surface (8), oriented towards the sensitive element (1). On the outer surface of the body (2), at the level of the measuring circuit, are wound a thermistor (5) and an ohmic heater (6).

Claims: 1
Fig.: 2