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The invention relates to the measuring apparatuses and may be used for diagnosing the internal combustion engines, namely for measuring the total clearance into the rod bearings.
The device for diagnosing the crank mechanism of the internal combustion engine comprises a body (3), fixed onto the cylinder head (6), a bush (2) installed therein with the possibility of axial movement and a piston position determining element (8), at the same time the body (3) is equipped with a connection (7), joined by a pipeline with the air cleaner of the engine. For axial movement the bush (2) is equipped with a microscrew (4), and the piston position determining element it fixed therein and represents an inductive pickup (1), the input of which is connected to a high-frequency generator, and the output – to blocks connected in series between them: an amplitude detector, an amplifier, an analog-to-digital converter, a first counter, a comparison element, a electronic switch, the second input of which is connected to the analog-to-digital converter, a code transfer unit, the second output of which is connected to the first counter, a second counter, the second output of which is connected to the comparison element, and a digital indication device.

Claims: 1
Fig.: 2