The invention refers to the measuring engineering and may be used for testing and diagnostication of motor vehicles.

The device contains a shaft rotation transducer, a torque transducer, a signal conditioner, a control unit, a measuring system and a recorder. The device is supplementary provided with an integrator of the signal transmitted by the torque transducer through an adapter, connected to the control unit, a divisor, the inlets of which are connected to the control unit, to the integrator and to an amplifier and with the outlet connected to the recorder, and the shaft rotation transducer is executed as a photon-coupled pair with open optic channel, connected through the signal conditioner to the control unit, the measuring scheme is made as a shaft rotation period measuring unit, with its inlet connected to the control unit and with its outlet connected to the amplifier.