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The invention relates to the transport mechanical engineering and may be used for diagnosticating the fuel feeding system of the diesel engine.

The diesel stroboscope contains a pressure transducer, including, placed into a body, a membrane and a transformation device, to which there are connected in series a pulse shaper, a differentiator, a monostable multivibrator, a standardized pulse shaper and a measuring instrument, as well as a short pulse shaper, connected between the output of the monostable multivibrator and the light flux source for lighting the markers on the engine's pulley and carter, and two resistors, connected through a commutator into the circuit of the monostable multivibrator. As light flux source for lighting the markers the stroboscope contains a light-emitting diode. The pressure transducer is demountably mounted onto the fuel tube (15) of the engine, its body is made in the form of sleeve (2), to the open part of which there is fixed an elastic membrane (3), and the transformation device includes coaxially placed two cylinders, one of which (7) is fixed onto the bottom of the sleeve, the other (5) – onto the membrane. In the space between them there is diametrically placed a segment of optical fibre (9), to one end of which there is connected a light-emitting diode (10), and to the other end – a photodiode (11), and onto the faces (6, 8) of both cylinders, oriented towards each other, there are made profiled prominences.

Claims: 1
Fig.: 2