MECHATRONICS

Fuel flow sensor

eurosens Direct PN (RS, CAN)

Software counters: Modes

Sensors independently take into account the amount of fuel (and in the presence of the screen and display) which flowed through them and spent a vehicle or unit in one of the following modes of work:

Idling - Vehicle virtually no useful work or works without a load. It can be classified as simple or inefficient use.

Optimal - Vehicle runs on rated speed, and perform useful work in accordance with the manufacturer's equipment. It can be classified as correct and economical to use.

Overloading - Vehicle operates at higher speeds, performs useful work in accordance with the manufacturer's technology, but it works in the inefficient modes. It can be classified as improper or wasteful use of machinery or work in difficult conditions. Operation in this mode can lead to equipment malfunction or saying that already have trouble.

Tamper - through the flow sensor passes over a large flow of fuel (flow rate is much greater than the set maximum value), which can be classified as a targeted increase of fuel consumed. Maybe even the use of compressed air for this purpose. Indications of this counter can only tell that the flow sensor worked in an evanescent mode, and these readings are not included in the total.

Reverse direction - work with the wrong sensor is connected to the fuel line (against the arrow indicating the direction of flow) or the presence of strong water hammer in the fuel line. This mode is possible thanks to software control the direction of rotation of the inner ring of the sensor. This is a unique feature that is only in the flow sensor eurosens.

The total volume - the volume of fuel which flowed through the flow sensor eurosens within acceptable operational modes, and is the sum of the volumes in the idle mode, the optimal mode, the overload mode.

Intervention time - the time during which an attempt was recorded the impact on the flow sensor by a strong magnetic field.

Important! Consumption thresholds for each mode are given in a special configuration software.

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