


TECHNOTON

EXPANDING YOUR TELEMATICS SYSTEM

Engine fuel flow meters DFM

Fuel flow meters are designed for measuring engine fuel consumption in the fuel line of vehicles and fixed installations. Flow meters DFM can be used in vehicle tracking systems, AVL, fuel monitoring systems.

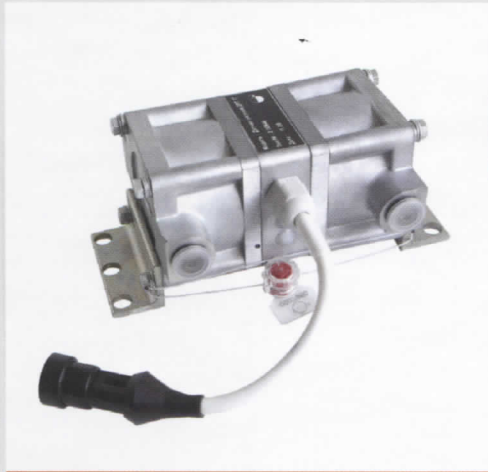
Fuel flow meter DFM enables to receive objective information about **actual fuel consumption** and **vehicle working time**. It allows reduce fuel and repairing costs. It is possible to develop fuel consumption rates for selected routes and technological operations.

Fuel flow meter DFM can be installed on the following vehicles: trucks, tractive vehicles, tractors of various types, loaders, graders, road-building machinery, technological transport, fixed installations with diesel engines etc.

Autonomous fuel flow meter DFM 100B(C)



Purpose



Differential fuel flow meter DFM D

Fuel flow meter DFM with screen and interface



Operating principle

Fuel flow meter DFM has three-dimension ring type measuring chamber. DFM generates impulse, when the volume of fuel (which is equal to volume of measuring chamber) passes through it. For 1 liter of consumed fuel DFM generates the number of impulses, which is marked on meter harness.

The operating principle of differential fuel flow meter DFM is to calculate the fuel consumption as a difference between the flow rates in supply and return fuel lines of the engine.

Total fuel consumption, instant fuel consumption, engine operating time in various modes (idling, optimal, overload) are shown on electronic screen of fuel flow meter DFM.

DFM has no buttons, switching of indications is made with special contactless key.

DFM is protected from unauthorized interference and tampering.

Fuel flow meters are mounted into the fuel line of vehicles according to the approved installation schemes. Fuel pipe and installation kit can be additionally included in the delivery package. Differential fuel flow meter DFM D is mounted into the fuel line of vehicles without changing the fuel system.

Mounting

Specification

Operating pressure, MPa	up to 2.5
Measurement inaccuracy, %	±1
Operating temperature, °C	-40 ... +85
Supply voltage, V	10-50, protection up to 100
Operating fluids	diesel fuel, heating fuel, engine oil and other fluids with kinematic viscosity from 1.5 to 6 mm ² /sec

Actual fuel consumption