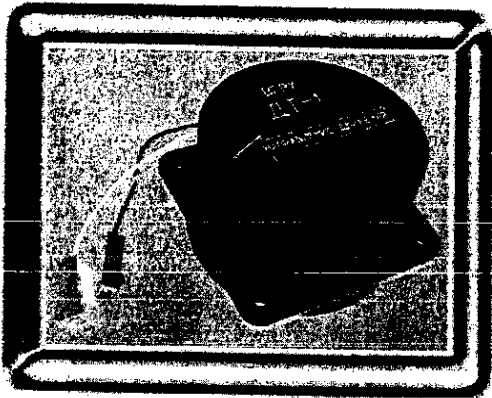


VEHICLE DECELERATION SENSOR DT-1



Closed Stock Company "AMD-Pilyugin Center-Holding" has developed the braking DECELERATION SENSOR DT-1 to illuminate additional stop lamps when a vehicle is decelerated by its service braking system or another means.

The DT-1 is designed to be insensitive to the condition and cutting of a road. It operates on the principle of two pendulums with different damping ratios. The decelerate signal is generated by the photosensor and processed by built-in electronic circuit which turns on and off the relay in the power supply line of additional stop lamps.

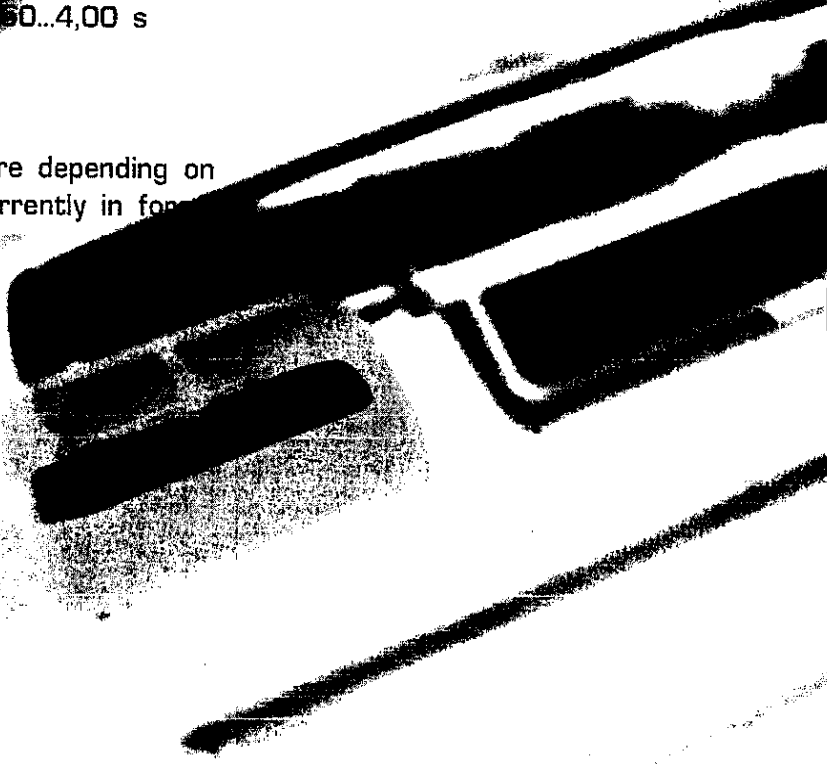
Patented technical decisions used in the DT-1 ensure high sensitivity, stable operating threshold specified for given vehicle type, and invariance to grades, bends and condition of a road. As a result, the use of the DT-1 increases clearness for other road-users to the rear of the vehicle.

The DT-1 has been tested on the test roads of the Research Center for Testing and Refining of Automotive Vehicles (NICIAMT), Dmitrov town, Russia.

Specifications

- Ultimate sensitivity - 0,2 m/s²
- Operating threshold* - 0,2...2,0 m/s²
- Stop lamps illumination delay - 0,2...2,00 s
- Stop lamps switching-off delay - 0,2...4,00 s
- Overall dimensions - Ø100x75 mm
- Mass - not more than 380 g

* to be adjusted while manufacture depending on vehicle type and ECE Regulations currently in force



Informal document No. GRRF-59-16-Add.1
(59th GRRF, 30 January - 3 February 2006,
agenda item 1)