

# PEGASEM WDS

## Wire Displacement Sensors



### Features

- For mobile applications
- Waterproof design
- Quick and easy mounting
- Allows for rapid wire movements
- Miniatur size
- Robust assembly for harsh environments

### Applications

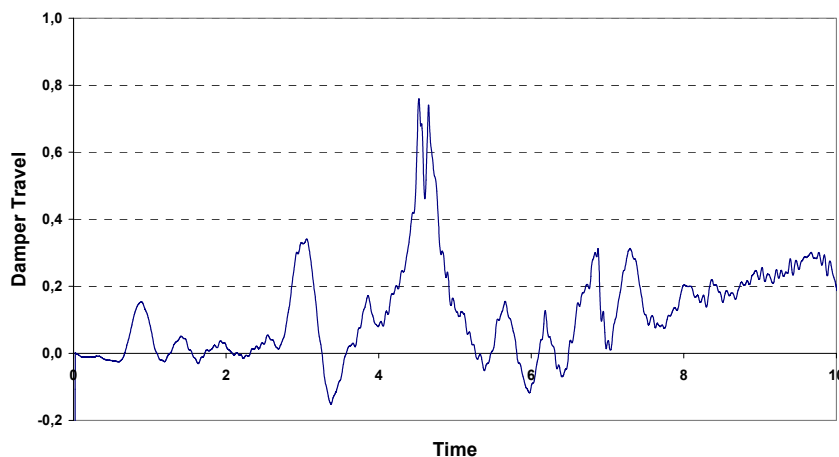
- Handling tests
- Recording damper characteristics
- Shock absorber testing
- Recording road conditions

For suspension testing of vehicles the PEGASEM MMS Mounting System is now available in combination with a wire displacement sensor. This sensor can be fitted to a vehicle's wheel hub and fender within a few minutes. Suction cups or rubber coated magnets allow the MMS System to be quickly and easily attached to a vehicle without damaging any paint. The waterproof sensors are especially

designed for use in harsh environments. The versatility of the MMS System allows the sensor to be fitted to most vehicles. Different wire lengths and measuring ranges are also available for various vehicles. Please contact the factory for a quotation tailored to your specific application.



### Suspension Test



Intelligent Test Solutions



### Technical Data

	WDS-300	WDS-500	WDS-1000
Measuring range	0,3 m	0,5 m	1,0 m
Linearity (% FS)	0,75	0,5	1
Wire extension	as required		
Sensor element	Hybridpotentiometer		
Temperature range	- 20° ... + 80° C		
Sensor resistance	1kOhm		
Power supply	5VDC nom., 32VDC max.		
Cable length	5m, open wires		
Resolution	unlimited		
<b>Mounting</b>			
on the hub	Magnetic holders, Clamps		
on the fender	Rubber coated magnets, suction cups		
Weight of sensor	270 gramms		
Protection class	IP 66		



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