

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

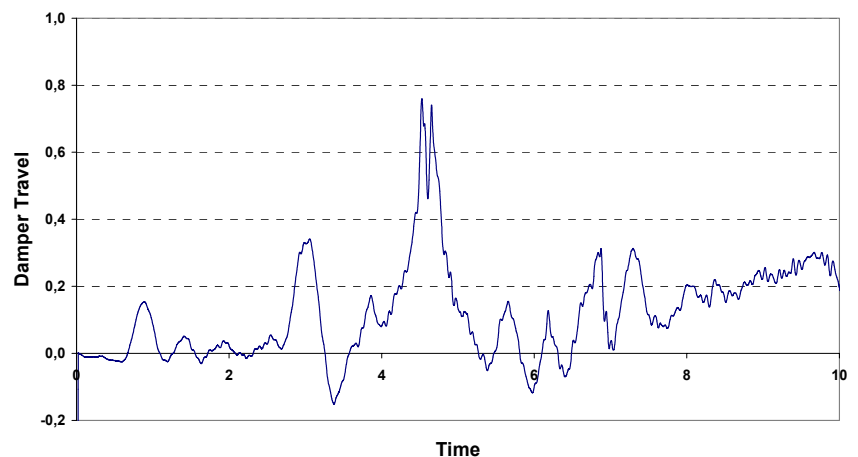
- Handling tests
- Recording damper characteristics
- Shock absorber testing
- Recording road conditions

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 | | |
| Mounting | | | |
| on the hub | Magnetic holders, Clamps | | |
| on the fender | Rubber coated magnets, suction cups | | |
| Weight of sensor | 270 gramms | | |
| Protection class | IP 66 | | |



Administration

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