



Advantages and Applications of Series BG, NG und LG

Acceleration sensors of series BG, NG and LG are distinguished by:

- simple construction – assembling with two screws M4 only
 - rugged plastic housing – no electrochemical processes between sensor and object to measure
 - housing in protection class IP67 – resistant against fuels, oils, seawater and a lot of chemicals
 - Plug in protection class IP67 brand AMP Superseal – developed for heavy requirements in automotive industry
 - wide range of temperature -50°C to +85°C (-67°F to +185°F) – to use almost everywhere
 - no hysteresis – very good repeatability of signal
 - label cutted by laser – readable also after many years
 - robust sensor for good price
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There are a lot of interesting applications:

- plant and machine engineering and construction
 - o rail vehicle engineering
 - vibration brakes BS2166
 - inclination inclination control for high speed trains BG2168
 - swinging movements across the main direction BT series
 - o agriculture and forestry equipment
 - horizontal position harvesters, tractors BG2168, LG2166, BG2180
 - tilt tractors, forestry machines NS2168
 - o construction machines
 - horizontal position cranes, wheel loader, tracked and wheeled pavers BG2168, BG2180
 - tilt wheel loades, mobile cranes, forklifts NS2180
 - o conveyence
 - horizontal position facade maintenance units, hoists BG2168, NG2166, BG2180
 - tilt hoists NS2168
 - vibration conveyence systems BG2168
 - o machine engineering
 - vobration engines, bearings, damp systems BG2168, BS2166
 - imbalance rotating machines, reaktors, mills
- energy
 - o power plants
 - vibration steam generators, generators BG2168
 - o wind energy
 - vibration CMS at rotor, generator and gearbox BG2166, BG2168
 - swinging towers, housings BG2166, BG2168
- automotive
 - o driveability
 - acceleration cars, trucks BG2168, BG2180
 - vibrations cars, trucks BG2168
- vessel engineering
 - o behaviour
 - inclination list BT series, BG2168, BG2180
 - vibration engines, gearboxes, bearings BG2168



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