

Institute of Physics, Slovak Academy of Sciences

www.fu.sav.sk

New generation deformation sensor

Based on advanced amorphous and nano (quasi)crystalline materials and tested with great results on



water dam (Gabčíkovo) flooded with water



tunnel (Višňové)



gas pipeline (Posádka pri Hlohovci) placed 10 meters under the ground

applications in construction industry, traffic, soil mechanics



Technical characteristics:

- Range > 3000 ppm (0,3%)
- Resolution better than 10 ppm (0,01%)
- Simple, cheap and reliable data collection
- Simple and quick installation
- **Resistance against corrosion, humidity,** mechanical and electromagnetic effects

http://deformationsensor.blogspot.sk

sensitivity, linearity, range of deformations, "networkability", WIFI



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Patent - protected

