

MONI

FORCE MEASURING RAIL PAD



MOBILE MONITORING SYSTEMS
FOR TRAINS AND TRACKS UNDER REAL OPERATING CONDITIONS



MONI sensors, two per sleeper, and their connector box, without cable protecting sleeves; right sensor without cover plate.

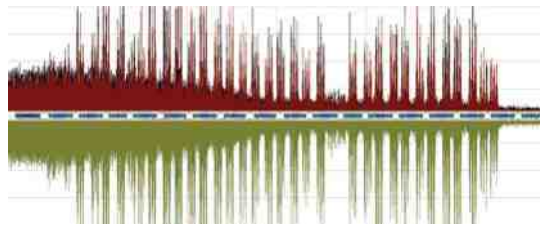


Easy and fast installation by changing the existing pads with the MONI Sensor.

MEASURING FORCES AT A KEY POSITION

MONI pads stand in for the standard pads. Never has installing force gauges in a track been easier: Unscrew fastening bolts, remove old rail pad, slide in MONI, retighten; a few minutes between train passages is all it takes. MONI measures the rail/sleeper force, and comprehensive information is at hand: Static and dynamic wheel/rail forces and static vehicle weight will all be available. Tread and wheel defects will show up. Noise and vibration research profits from this ability.

Combined with noise and vibration measurements MONI enables even the allocation of noise and vibration to particular vehicles and wheels. And, bearing in mind, the vehicle owner at fault will have to pay heavy emission infrastructure surcharges once they are established.



MONI detects the wheel exact frequencies of passing trains.

SPECIFICS

- Installation at its easiest
- Rail/sleeper force
- Forces per wheel, axel, bogie and vehicle under real operating conditions
- Wheel flats, spalling, shelling, corrugation
- Out-of roundness, polygonisation
- Wheel dynamics
- Noise and vibration emission allocation to particular vehicles and wheels



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