



Wheel Load Sensor

Kistler RoaDyn S635

- Highly dynamic detection of wheel forces and moments
- 6-component wheel force sensor allows the measurement of multi-axis loads
- Complete assembly of the measuring wheel on the vehicle (as replacement for the standard wheel)
- Mounting on the tire trailer for the analysis of the behavior of the tire / road contact
- Mounting at the corner-module test stand for the analysis of the behavior under laboratory conditions



Measurement Range:

F _x	-35 ... 35 kN
F _y	-20 ... 20 kN
F _z	-35 ... 35 kN
M _{x/y/z}	-5 ... 5 kNm

Emission Analysis Systems

HORIBA MEXA – 2100 SPCS and SMPS

- Solid Particle Counting System (CPC) + Scanning Mobility Particle Sizer (SMPS)
- Enlargement of the surface of the particles by heterogeneous condensation makes optical detection possible (the particles are passed through saturated alcohol / n-butanol)
- Counting by means of optical scattered light detection

Specifications:

- Particle count range: 10 - 2500nm (CPC - modified)
- Dilution Factors: 150: 1 - 3,000: 1 (two dilution steps)
- Size distribution by SMPS: 2.5 - 150nm and 10 - 1000nm over 167 channels



Source: HORIBA