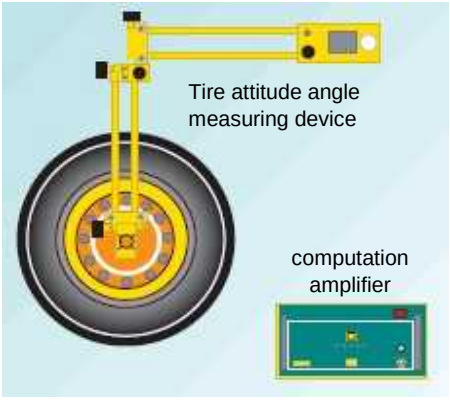
OSC 92OT204 Tire Attitude Angle Measuring Apparatus

<Features>

This apparatus is used for measurement the respective axles' behavior to the body during driving.
Mechanism consists of 5 pieces link mechanism having independent joints.
This obtains axels behavior by measuring rotational angle of respective joints by means of encoder and to calculate.



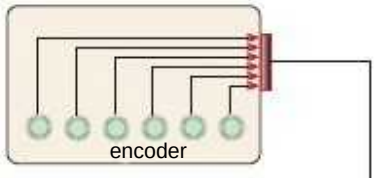
<Components>

- Attitude angle detector : 4sets
- Attitude angle computation amplifier: 1 set

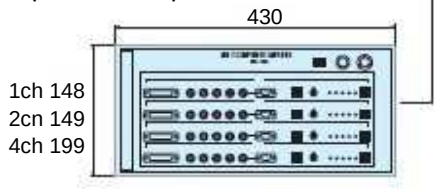
<Specifications>

Model	OSC 92OT204
Angle detector	Encoder 9000 ppr, used 4 multiply
Resolution	After Numeric computation, Dx, Dy, Dz direction 0.1 mm θs, θx direction 0.001 deg
Original point detection	Manual set at axle fitting by the Z-phase signal on encoder Relative zero reset switch at optional position incorporated
Rating/Rated output (analog)	For and aft displacement(Dx) ±50 mm/±5V Left and right displacement(Dy) ±50 mm/±5V Up/Down displacement(Dz) ±50 mm/±5V Slip angle (θs) ±5 deg./±5V ±25 deg./±5V 2 ranges Camber angle (θc) ±5 deg./±5V Respective maximum output ±10V
Output connector	D-sub 9 pin Angle attitude computation amplifier BNC(parallel output of the above) Angle attitude computation amplifier D-Sub 25 pin Angle attitude detector side
Cable length	Angle attitude detector ⇔Computation amplifier 5 m: 4 pcs Computation amplifier output (BNC⇔BNC): not supplied Computation amplifier output (D-sub DE-9S) plug: 4 pcs For power source (Battery) 2 m: 1pc
Movable part weight	Approx. 1.3 kg
Computation amplifier weight	Approx. 10 kg (2 ch), Approx. 12 kg (4 ch)
Structure	Aluminum structure, not water proof (attitude angle detector)

Tire attitude angle measuring device



Attitude angle Computation amplifier



Model
1ch: OSC 92OT204-100A
2ch: OSC 92OT204-200A
4ch: OSC 92OT204-400A