

Options & Design rules for custom sensors:

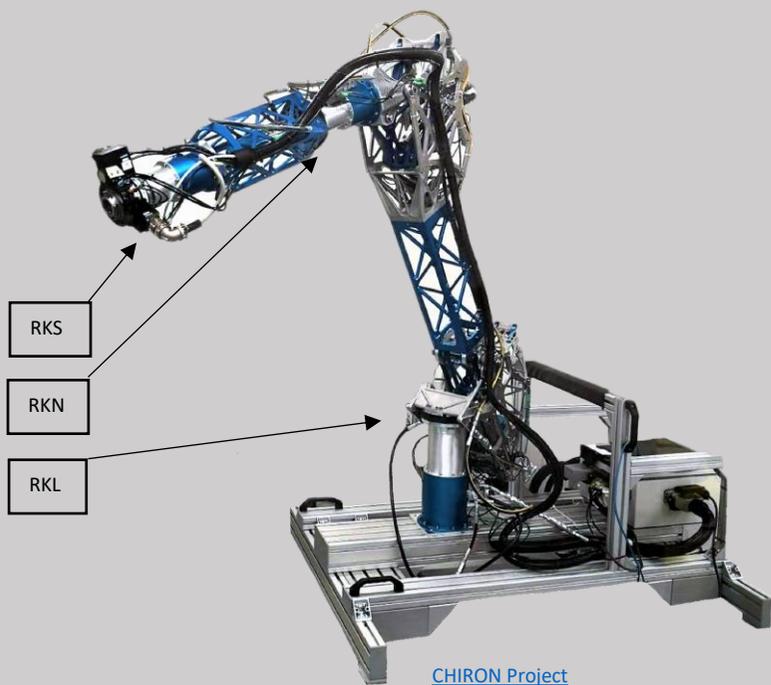
Abs. Resolution: from 0.01N and 0.001Nm
Range: up to 200kN axially and 50kNm
Range to weight: 40 kN/kg for standard products
Resolution to Range: up to 0.05N/kN
Degree of Protection: up to IP67
Overload factor: from 3 to 15

Resolution (typical): < 0.05% (for all axes)
Comm: USB, RS-422/RS-485, EtherCAT
Sampling rate: Up to 800Hz
Power: 5 – 60 V
Additional: 6 – axis IMU

sensors for customized integration:

Sensor Model	Nominal						Overload						Weight (kg)	Size DxH (mm)
	kN			Nm			kN			Nm				
	Fx	Fy	Fz	Mx	My	Mz	Fx	Fy	Fz	Mx	My	Mz		
RKS	1.2	1.2	3	85	85	100	5	5	10	250	250	500	0.16	86x22
RKN	3	3	6	100	100	77	15	15	50	750	750	820	0.46	130x25
RKM	4	4	9	200	200	162	30	30	60	1500	1500	1600	0.70	150x27
RKL	4	4	11	300	300	600	30	30	77	2700	2700	4000	1.30	190x30
RMM	70	70	100	15000	15000	30000	420	420	600	70000	70000	140000	50.50	540x52

Note: Custom housing need to be designed. We offer that as a service.



[CHIRON Project](#)



RMM - Excavator 6-axis Force Torque Sensor with housing