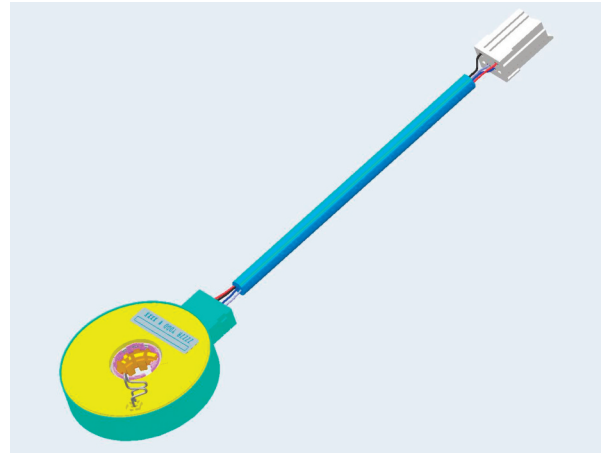


# SX-4413

## 5° LH3 Steering Torque Sensor

The LH3 torque sensor is ideally suited for demanding Electric Power Steering systems.



### ELECTRICAL<sup>1</sup>

Torque Signal Linearity	±3%
Torque Hysteresis	0.5%
Torque Signal Microgradient	±30% of theoretical slope over 0.4° interval
Torque Signal Sensing Angle	±5°
Total Resistance	800 Ω ±30%

### MECHANICAL

Torque Mechanical Travel	±11.4°
Turning Torque (rotor to rotor)	0.03 NM Max.
Turning Torque (rotor to housing)	0.06 NM Max.
Weight	95 grams maximum

### ENVIRONMENTAL

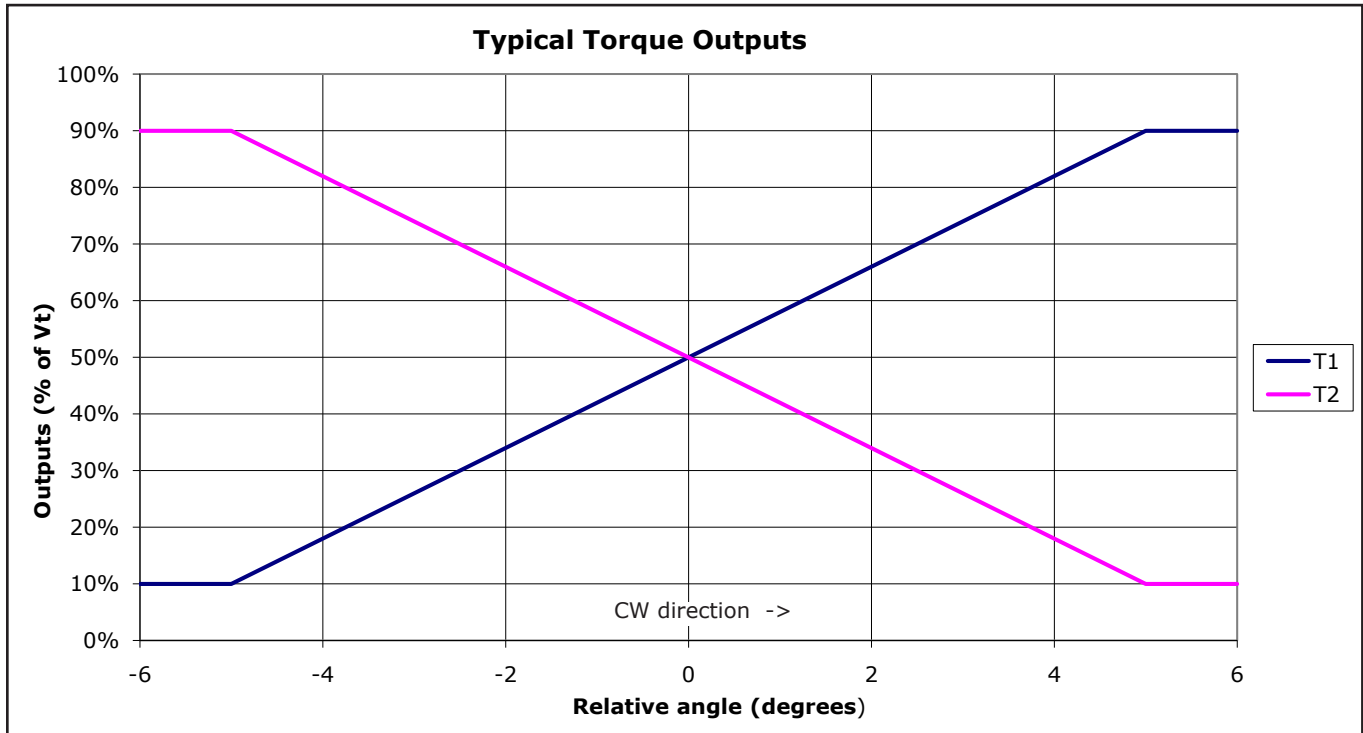
Operating Temperature Range	-40°C to +85°C
Shock	14 ms half-sine at 300 m/s <sup>2</sup>
Vibration	10 to 55 Hz with 1 mm P-P constant displacement, 120 hours each of 3 planes
Torque Rotational Life	1 million cycles
Storage Temperature Range	-40°C to +105°C

<sup>1</sup> Specifications subject to change without notice.



# SX-4413

## OUTPUT CHART





# SX-4413

## RECOMMENDED INTERFACE

