



RWT SERIES MOTORCYCLE REAR WHEEL TORQUE TRANSDUCER

For the first time a cost-effective and accurate rear wheel power and torque measurement device is now available.

Designed to be a self-contained sensor unit, the Rear Wheel Torque Transducer is a direct replacement for the Rear Wheel Sprocket Carrier.

The innovative design allows torque to be measured at the rear wheel enabling race teams to increase their knowledge whilst developing their motorcycles in a way that was not possible before.

FEATURES

- Torque transducer is incorporated into a standard sprocket carrier creating a self-contained sensor unit.
- All electric components are hermetically sealed.
- Design can be adapted to suit different wheels—Marchesini / OZ / Dymag / BST, designs are available.
- Wireless output signal to chassis mounted receiver unit.
- External charging port allow the internal batteries to be conveniently recharged.
- Design of torque transducer and receiver unit can be adapted to suit customers requirements.

BENEFITS

- Rear wheel torque and power measurement in real time.
- Use for engine development — assess where power is used thus allowing engine development strategies to be focused on Bike Dyno.
- Use for gear ratio selection — assess if ratios are providing optimum power at rear wheel.
- Use for rider knowledge—assess how rider applies power.
- Adaptable design and easy to fit—direct replacement for standard rear wheel sprocket carrier.

KA Sensors adopts a continuous development program which sometimes necessitates specification changes without notice.

Sensors For Motorsport

Features

- Self Contained
- Compact Design
- Lightweight
- Wireless Data Signal
- 10 Hour Battery
- Charging Port

Applications

- Race or Road Bike
- Drag Racing
- Engine Testing

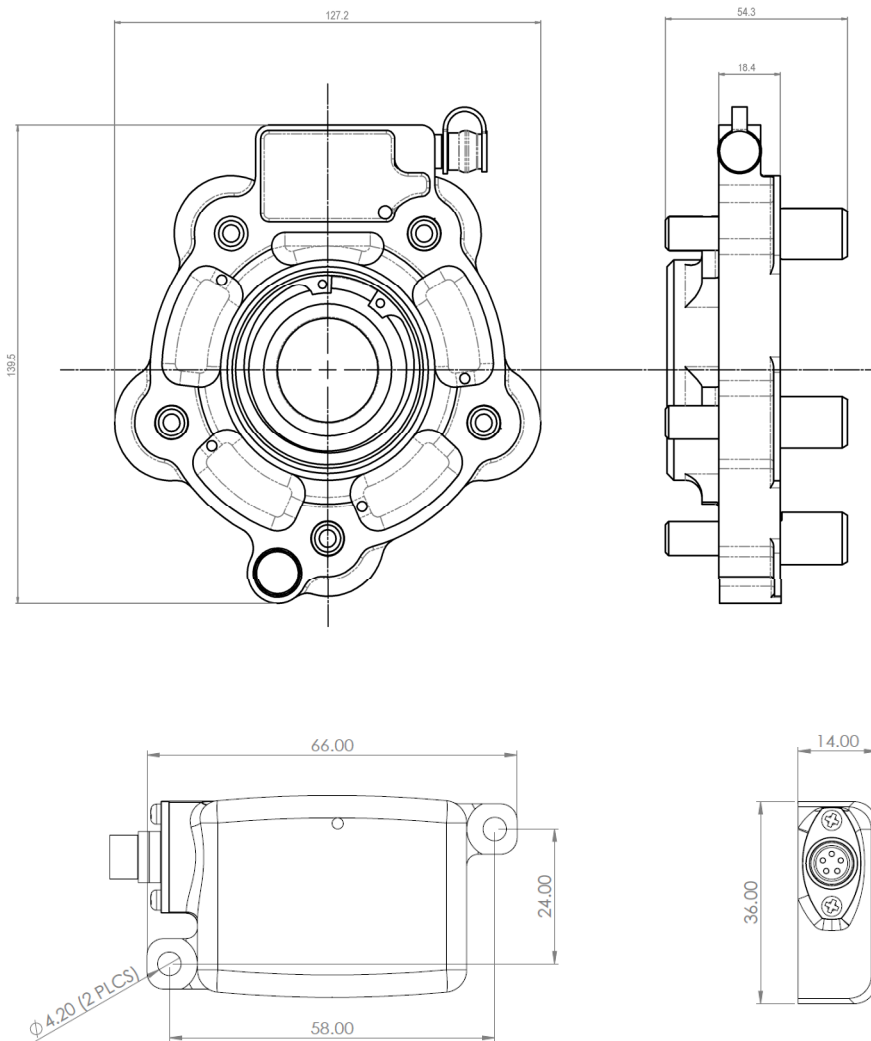
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TECHNICAL SPECIFICATIONS

Housing Material	Aluminium
Drive Pin Material	17-4PH Stainless Steel, or Ti6AL4V Titanium
Water Resistance	Hermetically Sealed Electronics
Torque Range	±100 to 1000NM (Higher Torque on Request)
Supply Voltage	5-16V, 35mA
Output Voltage	0.5 to 4.5V
Accuracy	±2% Typical
Output Frequency	750Hz
Operating Hours	10 Hours before Recharge
Operating Temperature	0 to +70°C

MECHANICAL DETAILS



*Sense
Analyse
Control*

Services for:

- Data Logging
- Telemetry
- Controls
- Wiring

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