

## ALL RENTAL SYSTEMS INCLUDE:

- Transducer and Amplifier
- User Interface Box
- Slip Ring or Telemetry
- CAN Signal Cable
- User's Manual
- All Required Cabling and Fasteners
- Rugged Storage & Shipping Container
- Adapters Available

## APPLICATIONS:

- Cars & SUVs
- Trucks
- Military Vehicles
- ATVs
- Agricultural Equipment
- Motorcycles

## FEATURES:

- Rent-To-Own Program
- Wide Range of Capacities
- Fast Delivery
- Weatherproof (IP67)
- Excellent Customer Support
- Analog & CAN Signal Outputs
- Ethernet Data Recording Software
- Easy CT2 Interface User Set-Up



# Wheel Force Transducer Rental Program



Michigan Scientific Europe

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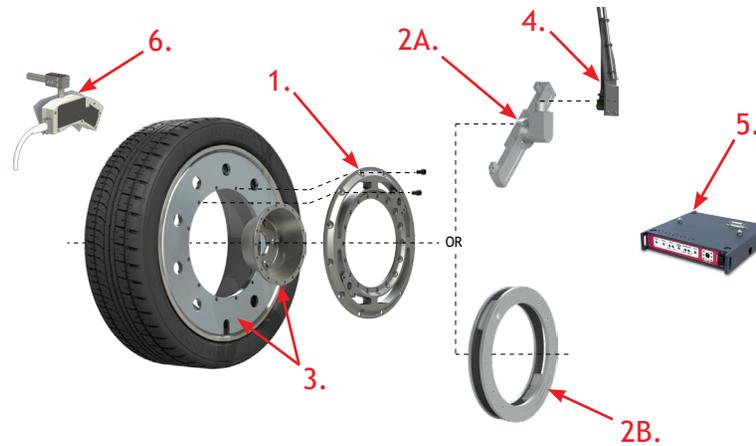
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REV: 1/26/21

Michigan Scientific Corporation Wheel Force Transducers output three forces, three moments, two accelerations, wheel speed, and wheel position signals to provide complete spindle load data with extreme accuracy.

## Components:

1. Wheel Force Transducer (WFT)
2. Signal Conditioning:
  - A. Integrated Slip Ring & Amplifier Subassembly OR
  - B. Wireless Transmitter Subassembly
3. Custom Hub & Rim Adapter
4. Stator Restraint
5. CT2 Transducer Interface Box
6. Telemetry Stator Restraint and Bracket



Every system combines a high strength, lightweight transducer with weatherproofed protective coatings to function in a variety of driving conditions.

Most customers only require phone and e-mail support. However, Michigan Scientific will provide on-site training and support at no charge if the facility is within 50 miles of Michigan Scientific. If the distance is greater, a travel fee would be charged.

Product engineers determine appropriate WFT rental models for any application providing availability, pricing, and customized adapter options. Lead time for design and manufacturing is typically 6-8 weeks. CAD models of the WFT adapter layout guidelines and design review are provided at no additional charge.

	LW-MC-3.5K	LW9.5a	LW12.8-50	LW65	LW-2T-20K	LW-2T-30K	LW-2T-40K	LW-2T-50K	LW-2T-60K-S	LW-2T-100K-S	LW-2T-100K
<b>Applications</b>	Motorcycle	ATVs & Small Vehicle	Passenger Car, SUV, & Light Duty Truck	Passenger Car, SUV, & Light Duty Truck	Pick-Up Truck & Heavy SUV	Medium Duty Truck & Bus, Skid Steer	Forklift, Truck, & Bus	Highway Trucks & Agricultural Vehicles			
<b>Fx, Fz Load Capacity</b>	3,500 lb (15.6 kN)	4,500 lb (20 kN)	11,200 lb (50 kN)	14,500 lb (65 kN)	20,000 lb (90 kN)	30,000 lb (133 kN)	40,000 lb (178 kN)	50,000 lb (222 kN)	67,400 lb (300 kN)	100,000 lb (445 kN)	
<b>Fy Load Capacity</b>	1,200 lb (5.3 kN)	2,250 lb (10 kN)	5,600 lb (25 kN)	7,850 lb (35 kN)	10,000 lb (44 kN)	15,000 lb (66 kN)	20,000 lb (89 kN)	25,000 lb (111 kN)	33,700 lb (150 kN)	50,000 lb (225 kN)	
<b>Mx, Mz Load Capacity</b>	1,200 lb-ft (1.6 kN-m)	2,200 lb-ft (3 kN-m)	4,800 lb-ft (6.5 kN-m)	7,700 lb-ft (10.5 kN-m)	11,000 lb-ft (14.9 kN-m)	22,000 lb-ft (30 kN-m)	30,000 lb-ft (40 kN-m)	50,000 lb-ft (68 kN-m)	60,000 lb-ft (81 kN-m)	80,000 lb-ft (108 kN-m)	100,000 lb-ft (135 kN-m)
<b>My Load Capacity</b>	2,500 lb-ft (3.4 kN-m)	2,200 lb-ft (3 kN-m)	4,800 lb-ft (6.5 kN-m)	7,700 lb-ft (10.5 kN-m)	15,000 lb-ft (20 kN-m)	22,000 lb-ft (30 kN-m)	30,000 lb-ft (40 kN-m)	50,000 lb-ft (68 kN-m)	60,000 lb-ft (81 kN-m)	80,000 lb-ft (108 kN-m)	100,000 lb-ft (135 kN-m)
<b>Max Static Corner Weight</b>	700 lb (320 kg)	900 lb (410 kg)	2,240 lb (1,015 kg)	2,900 lb (1,320 kg)	4,000 lb (1,815 kg)	6,000 lb (2,720 kg)	8,000 lb (3,630 kg)	10,000 lb (4,540 kg)	13,500 lb (6,125 kg)	20,000 lb (9,070 kg)	
<b>Rim Size</b>	≥ 11"	≥ 10"	≥ 13"	≥ 12"	≥ 16"	≥ 15"		≥ 19.5"	≥ 20"		≥ 22.5"
<b>Rental Adapter Sizes Available (in)</b>	-	-	16 x 6.5, 17 x 7, 17 x 8, 18 x 8	-	-	-	-	22.5 x 8.25	22.5 x 8.25, 22.5 x 9, 22.5 x 11.75, 22.5 x 12.25		22.5 x 8.25
<b>Nonlinearity (% of Full Scale)</b>	≤ 0.5	≤ 0.5	≤ .75	≤ .4	≤ 0.5	≤ 0.75		≤ 1.0			
<b>Weight</b>	5.0 lb (2.3 kg)	8.0 lb (3.6 kg)	10.3 lb (4.7 kg)	17.5 lb (7.9 kg)	23.4 lb (10.6 kg)	22.0 lb (10.0 kg)		35.5 lb (16.1 kg)	58 lb (26 kg)		62 lb (28 kg)
<b>Version</b>	Telemetry	Slip Ring	Slip Ring or Telemetry	Slip Ring and Telemetry	Slip Ring						