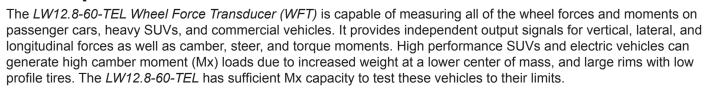
Wheel Force Transducer, 6-Axis, Telemetry

Model LW12.8-60-TEL

- 13,500 lb (60 kN) radial load capacity
- 6,750 lb (30 kN) lateral load capacity
- Measures 3 forces and 3 moments
- Adapts to 14" and larger wheels
- Temperature compensated
- Low profile package
- Tested to SAE J328 fatigue strength standard





The Telemetry and Induction Power electronics are packaged into the transducer to create a low profile and durable assembly. It is completely weatherproof making it ideal for testing in rain or weather conditions.

The CT2-TEL Transducer Telemetry Interface Box performs real-time coordinate transformation and cross-talk compensation, and simultaneously outputs analog and CAN signals. An embedded web-page allows the user to configure the WFT system.

Specifications

13,500 lb (60 kN)
6,750 lb (30 kN)
6,600 lb-ft (9 kN-m)
2,700 lb (1,225 kg)
6,600 lb-ft (9 kN-m)
4 Arm Strain Gauge Bridges
≤ 0.5% of full scale output
≤ 1.0% of full scale output
≤ 0.5% of full scale output
≤ 1.5% of full scale output
0.5% of full scale output
1.5% of full scale output
1.5% of full scale output
1.0% of full scale output
-40°F to 257°F (-40°C to 125°C)
0.25°
14.8 lb (6.7 kg)
IP67

8500 Ance Road Charlevoix, MI 49720 Tel: 231-547-5511 Fax: 231-547-7070 02-4-20 Rev. A

CHIGAN SCIENTIFIC

w.michsci.com
corporation

http://www.michsci.com Email: mscinfo@michsci.com

321 East Huron Street Milford, MI 48381 Tel: 248-685-3939 Fax: 248-685-5406

Wheel Force Transducer, 6-Axis, Telemetry

Specifications

Transmission Rate of Data	2,200 Hz
Data Bandwidth	200 Hz (< -0.1 dB) 500 Hz (< -1.0 dB)
Data Resolution (16 bit ADC)	0.4 lb (1.8 N) 0.2 lb-ft (0.27 N-m)
System Delay on Analog Channels	20.69 ms
Anti-Alias Filter Type	Bessel Linear Phase
Input Power Requirements	10-36 Vdc, 2 A @ 13.5 Vdc Typ

CT2-TEL Transducer Interface Box

- Performs real-time coordinate transformation and cross-talk compensation
- Easy-to-use Zero, Shunt Calibration, and Angle Zero functions
- Simultaneous analog and CAN signal outputs
- CAN sample rates up to 2,048 Hz
- Collect 32 WFT channels from four WFTs at 500 Hz on one CAN bus
- Embedded web page enables user to:
 - Change set-up options
 - Move WFT measurement origin
 - View Transducer static values
 - Create .dbc file

Telemetry Stator

- Receives and decodes telemetry signal from transducer
- Provides high resolution speed and position signals
- Mounts inboard of the transducer





8500 Ance Road Charlevoix, MI 49720 Tel: 231-547-5511 Fax: 231-547-7070 02-4-20 Rev. A

CHIGAN SCIENTIFIC
w.michsci.com corporation

http://www.michsci.com Email: mscinfo@michsci.com

321 East Huron Street Milford, MI 48381 Tel: 248-685-3939 Fax: 248-685-5406