Riverhawk

NEW PRODUCT
DYNAMIC TORQUE METER

- **Captures torsional vibration during start up, steady state and transient conditions**
- **Existing Riverhawk Torque Meter Systems easily upgradeable**
- **No shut down required**
- **Ability to measure instantaneous dynamic torque values**
- **Industry grade product designed for continuous operation**
- **Robust, using superior strain gage technology**
- **Ability to measure torque at zero RPM up to full speed**
- **Frequency response is DC to 400HZ**
- **Full on board redundancy, two independent systems**
- **Works with most available couplings on the market with minor modifications, eliminating the need for coupling redesign**

215 Clinton Road
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Ph. 315-768-4855
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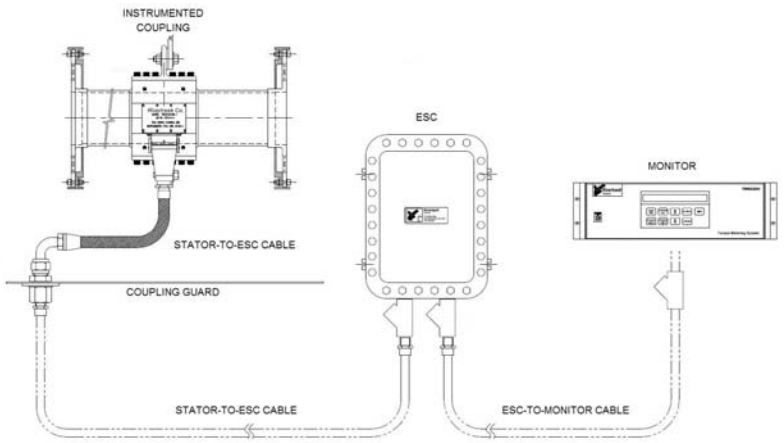
Specifications

Sensors

Torque Sensor	Strain gages
Speed Sensor	Hall-effect sensor

Dynamic Torque

Sampling	5000 samples/second, typical Varies with torque level, 2500 to 7500 s/s
Frequency Response	DC to 1000Hz 1000Hz is the 3dB point; 30% signal reduction
Output Types	Instantaneous torque Peak-to-peak torque Captured positive peak torque Captured negative peak torque



Display

Type	2 Lines by 40 Character VFD
Viewing Area	5.5” wide by 0.5” high

Analog Outputs

Compliance	For load resistance less than 500 ohms
Actual range	0-25mA, typical 0-10V, typical
Accuracy	0.25% of full scale

Relay Output

Type	SPDT, rated 5A resistive Suitable for signal level switching until they actuate a high current load

Field Wiring Connectors

Pluggable Phoenix type connectors with captive wire clamps
Dynamic Torque Voltage Output is on a BNC connector

Operating Power

Voltage	85 to 265 VAC, 50/60 Hz (24 VDC optional)
Power Consumption	8 watts maximum, typical
Fuse Rating	0.5A 5mm x 20mm (Type FST, Time-Lag)

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