## RDT2100 Specifications

### Sensors
- Torque Sensor: Strain Gages
- Speed Sensor: Hall-Effect Sensor

### Dynamic Torque
- **Sampling**: 5,000 Samples/Second
- **Frequency Response**: DC to 1,000Hz
  - 1,000Hz 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**: 1% of Full Scale Typical

### Relay Outputs
- **Type**:
  - SPDT, Rates 5A Resistive,
  - Suitable for Signal Level Switching Until They Actuate a High Current Load

### Operating Power
- **Voltage**: 85 to 265 VAC, 50/60Hz (24 VDC Optional)
- **Power Consumption**: 8 Watts Maximum, Typical
- **Fuse Rating**: 0.5A 5mm x 20mm (Type FST, Time Lag)

### Note
- Field Wire Connectors—Pluggable Phoenix Type Connectors with Captive Wire Clamps
- Dynamic Torque Voltage Output is on BNC Connector