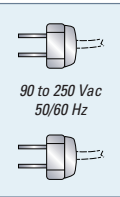
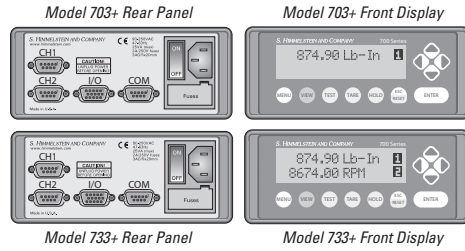


Quick Start Installation Guide for Electrical Connections

Power Cord Supplied with 700 Series Models



90 to 250 Vac
50/60 Hz



Cable P/N 224-8722-XX
Torque Only to CH1

Cable P/N 224-8800-XX
Torque to CH1, Speed to CH2

OR

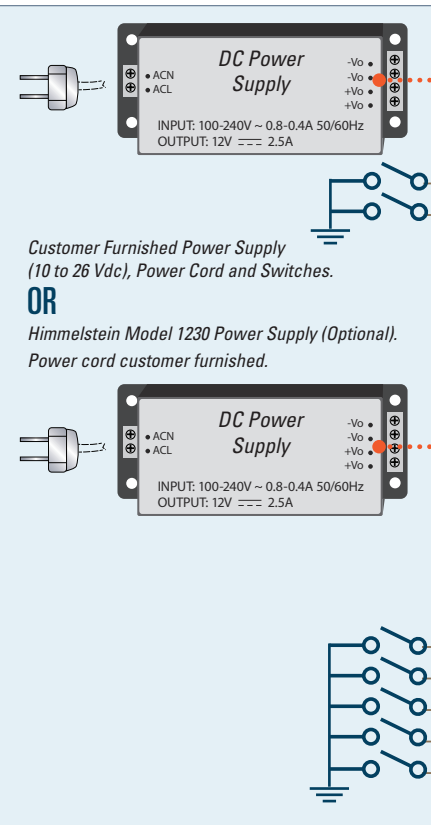
Applicable Models

- MCRT 48800V Series
- MCRT 49800V Series
- MCRT 59800V Series
- MCRT 79800V Series
- MCRT 48600V Series
- MCRT 48850V Series
- MCRT 48851V Series

For Complete Installation Guide download from:



https://www.himmelstein.com/PDF_Files/NextGenManual.pdf



Cable P/N 224-8917-XX

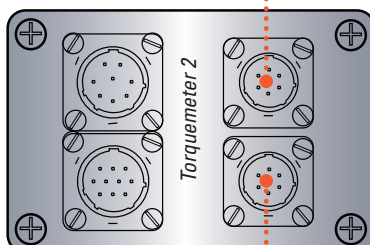
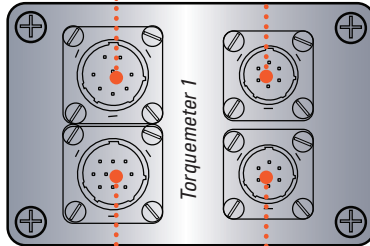
- + Supply - Pin D (GRN)
- Ground - Pin H (BLK/GRN)
- CW CAL - Pin E (BLU)
- CCW CAL - Pin F (BLK/BLU)
- ANA 3- Pin B (WHT)
- ANA 2- Pin A (BLK/WHT)
- ANA 1- Pin G (RED)
- ANA GND- Pin C (BLK/RED)

8 pin Mating Connector
P/N 320-1295
MS3116-F12-8S-SR

10 pin Mating Connector
P/N 320-1255
KPT-06F-12-10S

Cable P/N 224-8918-XX (Optional)

- + Supply - Pin E (GRN)
- Ground - Pin D (BLK)
- TEMP STATUS- Pin G (RED)
- TORQ STATUS- Pin H (WHT)
- SPEED STATUS- Pin J (BLU)
- TARE- Pin B (ORN)
- RST MAX/MIN- Pin F (YEL)
- CLR TARE - Pin C (BRN)
- CW CAL - Pin A (VIO)
- CCW CAL - Pin K (GRA)



Torquemeter 3, etc.

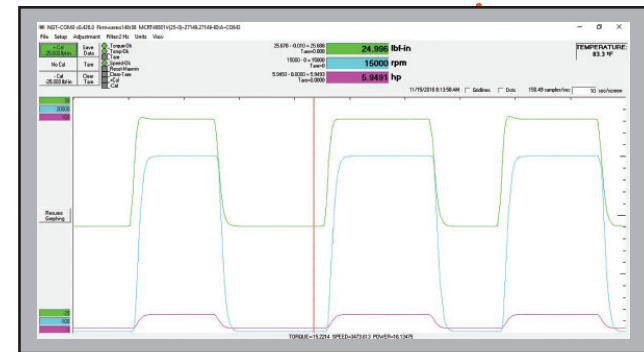
Qty 2 - 6 pin Mating Connectors
P/N 320-1271
MS3116-F10-6S

For Optional Connection to Multiple Torquemeters
Cable P/N 224-8361-XX

Optional USB to RS232 Adapter, P/N 330-0002

Optional USB to 4-Wire RS485 Adapter, P/N 330-0003

To Customer PC or Laptop



NGT Software Download from:



<https://www.himmelstein.com/Downloads/NGT.exe>

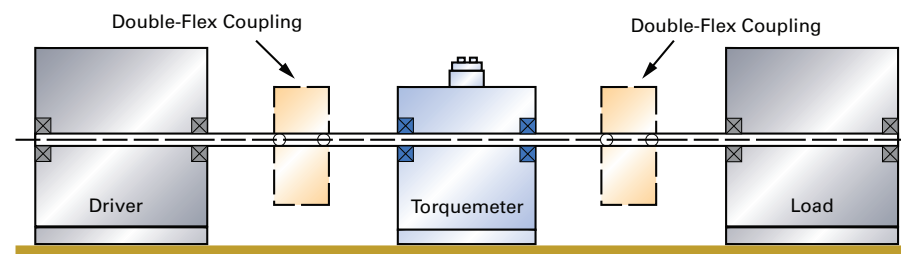
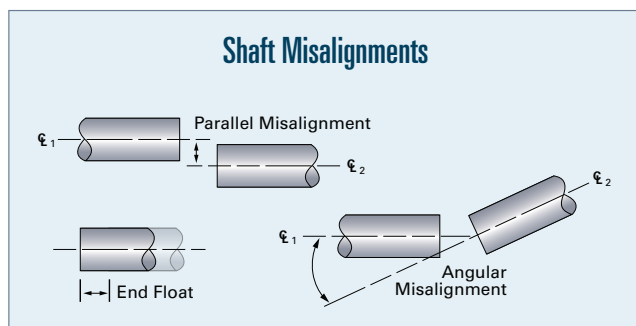
Notes:

- Mating connectors supplied for all connections for which a cable was not provided.
- External DC power (10 to 26 Vdc) supply required for operation, however make only one power supply connection.
- The Optional Model 703+ or Model 733+ will provide necessary dc power for the torquemeter.
- Substitute cable length for "XX" suffix in cable part numbers. Standard available cable lengths are 20, 50 and 100 feet.
- Please refer to Appendix V of the Manual for driving optical relays with status lines.
- RS232 serial cable (P/N 224-8359-20) is provided. All other cables and/or additional connectors are available for purchase separately.

Quick Start Installation Guide for Ultra-Precise Digital Torque Transducers Mechanical Mounting

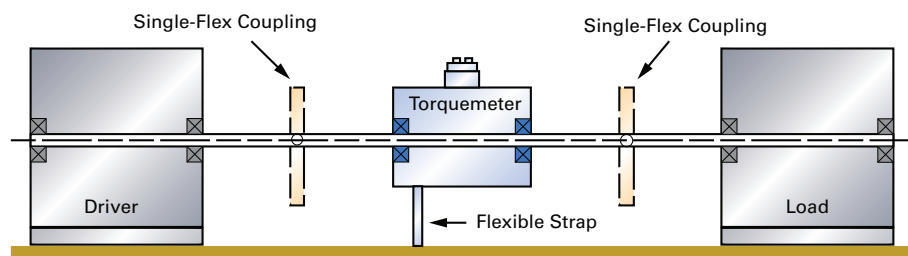
Applicable Models	
MCRT 48800V Series	MCRT 79800V Series
MCRT 49800V Series	MCRT 48600V Series
MCRT 59800V Series	

Please select appropriate style of shaft couplings for your desired installation. Couplings are required to accommodate inevitable parallel and/or angular shaft end misalignments. Double flex couplings handle both angular and parallel misalignments, single flex couplings only angular.



FOOT (or Base) MOUNTED TRANSDUCER (above)

If using a foot mounted transducer or base mounting installation, double-flex style couplings will be required at each shaft end to compensate for both parallel and angular shaft misalignments. Foot mounted installations are more desirable for higher speed applications. They are more susceptible to extraneous thrust or axial loading, however. This type of mounting is not available for flanged end style transducers.

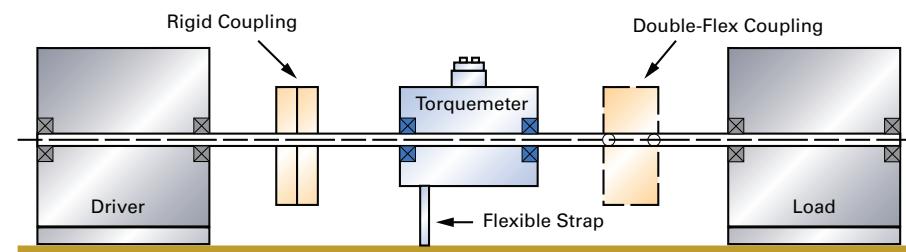


FLOATING TRANSDUCER with SINGLE-FLEX COUPLINGS (left)

In the case of a floating installation, single-flex couplings should be used on both sides to accommodate angular misalignments only. A flexible strap will restrain the housing from rotating. Strap should not impose any additional extraneous loading to the transducer housing—it is simply required to prevent putting stress on the interconnect signal cabling. A wire rope or lanyard would be example of suitable flexible strap.

FLOATING TRANSDUCER with RIGID and DOUBLE-FLEX COUPLINGS (right)

An alternative, acceptable floating installation, would be rigid coupling on one side and a double-flex coupling on the opposite side. This installation requires more care to control the axial and radial runout at the double-flex coupling side to minimize potential for vibration.



Notes:

1. Coupling hubs should be a press fit on the transducer shaft—we recommend 0.0005 inches per inch of shaft diameter.
2. Hubs should be heated to 400 deg F to facilitate installation.
3. Apply anti-seize compound to the shaft prior to sliding on the coupling hubs.



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& COMPANY

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Installation Guide
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