TCI Multi
Lineside controller for digital torque wrench management

The TCI Multi lineside controller allows the user to connect and manage up to 5 digital torque wrenches for use in assembly and production applications. The WrenchStar Multi can be connected to the TCI Multi at the simple push of a button.

The TCI Multi enables easy set-up, management and diagnostics via web browsers and 'Jobs' can be selected and sent to the WrenchStar Multi to be operated. Torque reading results are then communicated back to the TCI Multi which can be viewed on a PC or web page.

The TCI unit accepts Open Protocol commands via Ethernet to select and send the 'Jobs' to the wrench.

The TCI Multi has a web status page that allows the user to monitor Ethernet properties, RF properties, message logs and the wrench status. The web page also mirrors the last torque and angle readings from the wrench and their torque status (LO, OK and HI). LED lights on the actual TCI unit show real-time status of the individual wrench connections.

Key Features

- Connect up to 5 torque wrenches at the push of a button

- Easy wrench management, set up and diagnostics via web browsers

- Specific 'Jobs' can be selected and the results sent to a PC or web page

- Ethernet properties, RF properties, message logs and wrench status can be monitored

- Web page mirrors the last torque and angle readings from wrench plus its torque status (LO, OK and HI)

- LED lights show real-time status of all connections

- Can also connect up to 5 Crane torque transducers using the RFm connection device

Ideal for production and component assembly applications, utilising the innovative WrenchStar Multi digital torque wrenches.

- Individual 'Jobs' consisting of the target torque and the low/high torque level threshold specifications, can be setup via the web page and communicated directly to the individual torque wrenches.

- Up to 5 WrenchStar Multi's can be used simultaneously with all readings and results data communicated back to the TCI Multi.

- Colour-coded results make it easy to monitor assembly performance.

Product Code	Range
TC2AB-0000-CRXXR5	TCI Multi with Power Supply (Connect up to 5 wrenches)
TC1AB-0000-CRXXR1	TCI with Power Supply (1 wrench connection only)
IQW2S-0000-CRPXXX	Additional TCI Power supply
WS1JX-0010-C1DARX	10Nm WrenchStar Multi
WS1JX-0025-C1DARX	25Nm WrenchStar Multi
WS1JX-0075-C1DARX	75Nm WrenchStar Multi
WS1JX-0120-C1DARX	120Nm WrenchStar Multi
WS1KX-0180-C1DARX	180Nm WrenchStar Multi
WS1KX-0250-C1DARX	250Nm WrenchStar Multi
WS1KX-0340-C1DARX	340Nm WrenchStar Multi
WS1KX-0500-C1DARX	500Nm WrenchStar Multi

For pricing, availability or further technical information about the TCI Multi lineside controller, please contact us online at www.crane-electronics.com or alternatively, email us at sales@crane-electronics.com.

Technical Specification

Operating Temp Range:	-20 to +50ºC.
Storage Temp Range:	-20 to +50ºC.
Humidity:	10-75% non-condensing.
IP Rating:	IP40 (indoor use only).
Job Storage:	256 Jobs
Power:	5V +/-10% DC power supply 1000mA OR Mini Type-B
Ethernet:	RJ45 Socket
Serial:	9-way D-type RS232 socket for serial connection to a PC in standalone
USB:	Mini USB cable for programming firmware
RF:	2.4GHz antenna for RF torque wrench communication Low power 0dBm and uses world-wide ISM band (2400MHz)
Dimensions:	217mm x 120mm x 56mm
LEDs:	Power status Host (communications are good, absent or incorrect). Wrench (informs WrenchStar Multi is paired, in range or has a Job loaded)
Operation:	Open Protocol commands via Ethernet to select a Job and use with the wrench. Standalone mode – Jobs can be selected and results posted to PC or web page.
Construction:	Aluminium enclosure

Locations

UK - Watling Drive, Hinckley, Leicestershire LE10 3EY
USA - 1260 11th Street West, Milan, Illinois 61264, USA
Germany - Im Rank 5, 73655 Plüderhausen, Germany