



Num.	Wrench status	Prot	Serial No.	Battery Level	Wrench Ver
1	Job Loaded				182-KR-3.05 / 161-KR-4.02
2	Job Loaded				182-KR-3.05 / 161-KR-4.02
3	Job Loaded				182-KR-3.05 / 161-KR-4.02
4	Job Loaded				182-KR-3.05 / 161-KR-4.02
5	Job Loaded				182-KR-3.05 / 161-KR-4.02



Get results from tra



Pair TCI with transducer



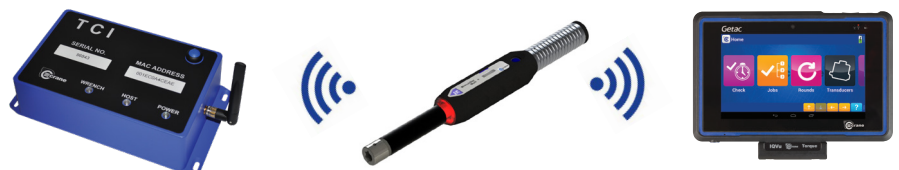
Wrench Status Key

Job Loaded Paired Not Paired Out of Range Invalid Job Low battery

Protocol Status Key

The TCI - Lineside Controller

- Allows the user to connect and control a **Digital Torque Wrench** to be used in assembly production
- Wrench can be **paired** to the TCI with a **single button press**
- **Easy** management, set up and diagnostics of itself via Web Browsers
- Can be used **stand alone**, jobs can be selected and results sent to a PC or webpage
- Accepts **Open Protocol** commands via Ethernet to select a Job to use with the WrenchStar Multi
- Web Status page allows Ethernet properties, RF properties, logging of messages, and **Wrench status** to be monitored
- Web Page mirrors last Torque and Angle reading from Wrench plus it's Torque status (LO, OK and HI)
- 360° LED lights show **real time status** of the Wrench connection on the unit



Crane Electronics Ltd
Watling Drive
Sketchley Meadows
Hinckley LE10 3EY
Tel: +44(0) 1455 25 14 88
www.crane-electronics.com

Crane Electronics Inc
1260 11th Street West
Milan, Illinois 61264
USA
Tel: +1 309-787-1263
www.crane-electronics.com



TCI (Tool Controller Interface) Technical Specifications:

Operating temp range:	-20 to +50°C
Storage temp range:	-20 to +50°C
Humidity:	10-75% non-condensing
IP Rating:	IP40 (Indoor use only)
Job storage:	20 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 Wrench communication Low power 0dBm and uses worldwide 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

Sales Code	Description
TC1AB-0000-CRXXR1	TCI – Single wrench

- ✓ Colour coded result monitoring
- ✓ Easy Job setup via web Browser
- ✓ Open Protocol compatible
- ✓ and many more...

The screenshot shows the TCI web interface with a navigation menu (Home, TCI Network Settings, Wrench Status, Log View, RF Settings, Jobs, Global Settings) and a table of wrench jobs. Below the table is a form to 'Enter new parameters'.

ID	Name	Direction	Batch size	Torque Min [Nm]	Torque Target [Nm]	Torque Max [Nm]	Angle Min [deg]
1	wr	CW	5	6.00	8.00	10.00	0
2	gasket	CW	0	2.00	4.00	8.00	0

Enter new parameters

ID	Name	Direction (CW/CCW)	Batch size	Torque Min [Nm]	Torque Target [Nm]	Torque Max [Nm]
<input type="text"/>	<input type="text"/>	<input checked="" type="radio"/> CW <input type="radio"/> CCW	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

For more information about the TCI Lineside Controller or for a quote, get in touch with us on +44 (0)1455 25 14 88 or email us at sales@crane-electronics.com.

Crane, the force in torque management

Crane Electronics Ltd
Watling Drive
Sketchley Meadows
Hinckley LE10 3EY
Tel: +44(0) 1455 25 14 88
www.crane-electronics.com

Crane Electronics Inc
1260 11th Street West
Milan, Illinois 61264
USA
Tel: +1 309-787-1263
www.crane-electronics.com

