



# The TCI Multi - Lineside Controller

- Allows the user to connect **up to 5 torque wrenches** to be used in assembly production
- Wrenches can be **paired** to the TCI Multi 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



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**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:	99 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
TC2AB-0000-CRXXR5	TCI Multi – 5 Wrenches

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

For more information or for a quote, call +44 (0)1455 25 14 88 or email [sales@crane-electronics.com](mailto:sales@crane-electronics.com).

Num	Wrench status	Protocol status	Torque [Nm]	Angle [deg]	Serial No.	Battery
1	Job Loaded	Manual	7.12	-	96855	
2	Job Loaded	Manual	6.73	67.0	96858	
3	Job Loaded	Manual	7.57	170.0	96859	
4	Job Loaded	Manual	9.27	11.0	96896	
5	Job Loaded	Manual	4.00	19.7	96655	

ID	Name	Direction	Batch size	Torque Min [Nm]	Torque Target [Nm]	Torque Max [Nm]	Angle Min [deg]
1	wv	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"/>

## Crane, the force in torque management

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