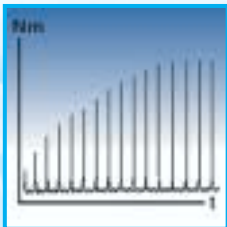


CheckStar

In line torque transducers with angle measurement option



Key Features

- Dynamic torque measurement of all continuous drive and impulse tools
- Proven reliable performance for impulse tool measurement
- Guaranteed no brush bounce
- Compact design and no size increase for angle option
- Plug and play with Crane display systems (Auto ID)



The force in torque management

CheckStar

In line torque transducers with angle measurement option

Crane's CheckStar sets the standard for dynamic torque and angle measurement of all continuous drive and impulse tools, with proven reliable performance in thousands of applications worldwide.

CheckStar transducers fit in-line between the assembly tool and the fastener, measuring the actual torques applied under production conditions.

Whatever the vibration and shock loads experienced, CheckStar's patented contact system ensures contact is always maintained between the readout and the strain gauges. Inferior systems suffer from 'brush bounce' that leads to unreliable torque readings.

The low inertia design of CheckStar ensures accurate and repeatable measurement of high speed transients, such as the point of shut-off on continuous drive tools and the pulsing of impulse tools.

CheckStar forms an essential part of the Crane UTA torque system, enabling plug and play operation with Crane readout devices. On board intelligence means the UTA CheckStar is automatically recognised by the Crane readout device, eliminating set-up errors and enabling logging of serial number against measurements for complete traceability. An Industry Standard (IS) version is also available where a user needs the advanced features of the CheckStar but already has a readout device from another manufacturer. Both versions can be specified to include an angle encoder with 0.5° resolution.

Calibration service

Crane Electronics Ltd operates a calibration laboratory accredited by UKAS, the UK Accreditation Service. All Crane products are issued with a calibration certificate traceable to National and International Standards. It is recommended that torque instrumentation is recalibrated at least every 12 months. Please refer to the separate leaflet for information on Crane's calibration services.




System components

- Crane readout devices for plug and play operation
- Table top joint kits for workshop simulation of hard to soft joints
- Force transducers for force/torque correlation studies




The force in torque management

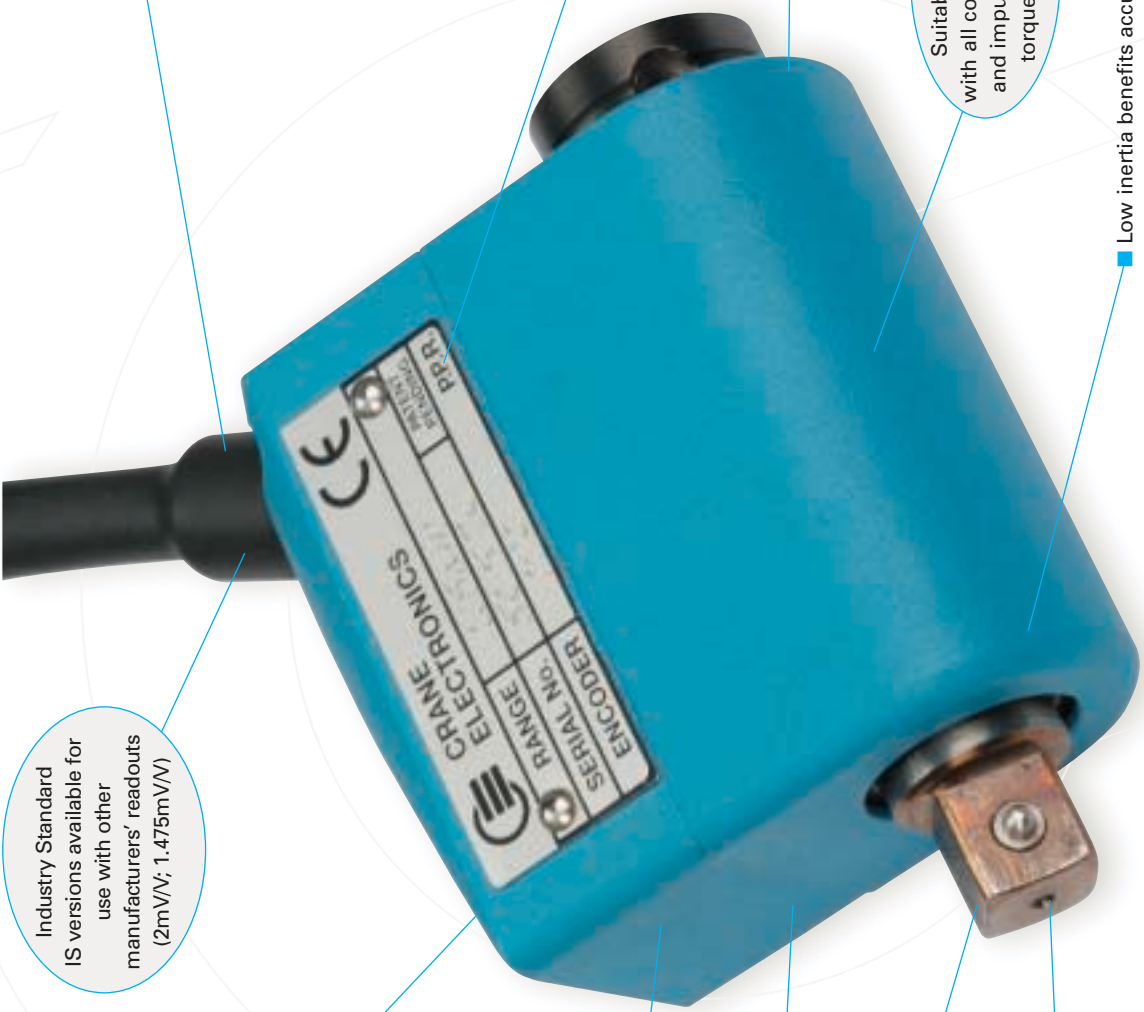


Plug and Play with Crane display systems (Auto ID).
UTA version reduces set-up errors and time, through automatic set up of transducer including torque range, angle encoder, and serial number for full traceability of measurements. System integrity is ensured by recognition of overdue calibration.

Industry Standard IS versions available for use with other manufacturers' readouts (2mV/V; 1.475mV/V)



Patented design ensures no brush bounce even when used with impulse tools.
Low friction eliminates wear and supports accuracy.



Angle measurement option with no size increase (0.5° resolution)

Accuracy +/- 0.3% of full scale

Suitable for use with all continuous drive and impulse tools, and torque wrenches

Low inertia benefits accurate dynamic measurement

High signal to noise ratio

Compact design

Square and hex drives available

In line dynamic measurement of the fastening process



Solutions for...

- Automotive ■ Aerospace ■ Electrical ■ Electronic ■
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The force in torque management

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