CHECKSTAR MULTI Rotary Transducers

Categories: M-Hand Tools, Metrology · **Brand:** Crane Electronics



Description

The CRANE CheckStar Multi series transducers represent the latest generation of rotary transducers, continuing the tradition of reliability and precision that has always distinguished CRANE transducers.

CheckStar Multi transducers enable in-process measurement of torque and angle for screwdriving servo-tools and, more generally, for rotating shafts.
The transducers are designed to minimize rotational inertia, ensuring minimal impact on the measurement and perfect control of high-speed transients (such as reading impulsive tools or shutting off continuous-duty tools).
The military-grade connector allows for a wired connection to CRANE readers and any third-party reading systems, and–via the RFm accessory–a wireless connection; a smart card built into the transducer enables automatic recognition by CRANE readers, making calibration data immediately available.
When connected to the readers (either via cable or wirelessly), a ring of three-color LEDs around the connector provides an immediate visual indication of the reading result compared to the specification data set in the reader itself.
For the angular model, replace (X) with A

CALIBRATION	Calibration by UKAS (UK Accreditation Service), in accordance with BS 7882
CONSTRUCTION	Patented metal ring mechanism that eliminates signal loss due to contact bounce and allows for low rotational friction in both directions (<0.1% of the rated torque or 0.1 Nm, whichever is greater)
	The verified service life is over 1 billion rotations without any noticeable degradation in electrical performance or wear
	Aluminum body / Shaft material : stainless steel

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CALIBRATION	Calibration by UKAS (UK Accreditation Service), in accordance with BS 7882
	Overload capacity: 125% of the rated torque
	Panel mounting per ANSI B 107-4/1982; BS4006/1982; DIN3121/1987
	Male panel connector with a plug and a retaining clip that can be removed if necessary
	Female panel connector supplied with a retaining clip that can be removed if necessary
	Female hexagonal fitting with ball and retaining spring
CONNECTORS	According to BS9522 - F0017, Type 14-19S , MIL-C-26482
ZERO STABILITY	< ±0.1% FS/°C
STATIC ACCURACY	±0.25% FS
OPERATING ENVIRONMENT	Temperature: 5-40°C / Humidity: 10-75% non-condensing / Protection rating: IP40

Brand

Crane Electronics

Founded in 1971, Crane Electronics develops solutions for torque management and torque control, meeting the manufacturing industry's needs for quality, safety, traceability, and productivity in the automotive, aerospace, construction, and marine sectors.

The product line includes torque wrenches, rotary and static torque transducers, data loggers, testers, and software, offering a comprehensive suite of tools for tool verification and process control.

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