

Stationary Transducer

Workbench-mounted static torque transducers



Key Features

- ✓ Suitable for measurement of all hand torque tools and continuous-drive and impulse power tools
- ✓ Automatic transducer recognition with Crane readout devices (Auto ID)
- ✓ Combine with joint kits for workshop simulation of hard and soft joints
- ✓ Incorporate into custom-built mobile test stations

Crane's stationary torque transducers are the quality choice for the testing of both continuous-drive and impulse power tools and hand torque tools, in the workshop and production line-side environment.

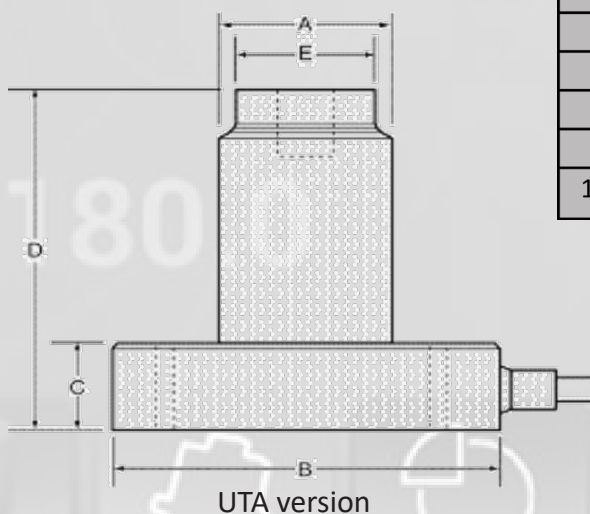
Stationary transducers are used in multiple testing applications both off-line in testing workshops or line-side on mobile test stations. Combined with Crane joint kits that represent the production joint condition, they form an effective off-line test for verification of assembly tool performance.

Stationary transducers form an essential part of the Crane UTA torque system, enabling automatic transducer recognition with Crane readout devices. On board intelligence means the UTA transducer is automatically recognised by the readout, eliminating set-up errors and enabling the logging of a serial number against measurements for complete traceability. An Industry Standard (IS) version is also available where the user needs the features of the stationary transducer but already has a readout device from another manufacturer.

Stationary Transducers: Technical Specification

Transducer Type:	UTA: incorporate data chip enabling automatic transducer recognition operation with Crane readout devices I.S: 'Industry Standard' version Bridge resistance: 350 Ohms Sensitivity: 2mV/V
Construction:	Steel housing Overload capacity: 125% rated torque Square drives to ANSI B107-4 -1982; BS4006 – 1992; DIN 3121 – 1987
Connections:	UTA: 1m integral cable with strain relief; 25-pin 'D' port (male) for connection to CEL readouts I.S: output connector to MIL –C 26482 / BS 9522 FOO 17; shell size 8 -4P
Zero stability:	< ± 0.1% of FSD/°C
Static accuracy:	±0.25% FSD
Operating environment:	Temperature: 5 -40°C (-10 to 60°C with reduced specification) Humidity: 10 – 75% non-condensing Ingress Protection rating: IP40
Warranty:	12 months parts and labour against faulty workmanship or materials
Calibration:	All torque equipment should be re-calibrated every 12 months

Weights and Dimensions



Dimensions in mm						
Drive	A	B	C	D	E	Weight (Est. Kg)
1/4"	54	100	25	76.5	16	1.62
3/8"	54	100	25	86	24	1.93
1/2"	54	100	25	95	30	2.10
3/4"	50	100	25	112	44	2.11
1"	59	100	25	124	53	2.63
1 1/2"	76.2	140	25	130	1.5" Across Flats	3.20



IS version connector detail

Product Codes

Order Code	Drive	Nominal Torque Nm	Imperial (ftlbf)
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UTA Statics

UTA-164-0-3.54-0-0	1/4"	3.54	31.4 inlbf
UTA-164-0-25	1/4"	5.65	50 inlbf
UTA-165-0-25	1/4"	11.3	100 inlbf
UTA-166-0-25	1/4"	28	250 inlbf
UTA-167-0-35	3/8"	68	50
UTA-168-0-35	3/8"	135	100
UTA-169-0-35	1/2"	271	200
UTA-170-0-35	3/4"	542	400
UTA-171-0-35	3/4"	1017	750
UTA-172-0-35	1"	1695	1250
UT-115-00CR-3000-0*	1.5"	3000	2213
UT-115-00CR-5000-0*	1½"	5000	3689

Order Code	Drive	Nominal Torque Nm	Imperial (ftlbf)
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IS Statics – 2 mV/V Sensitivity

IS-873-08CR-11-0	1/4"	11.3	100 inlbf
IS-873-10CR-28-0	1/4"	28.25	250 inlbf
IS-873-12CR-67-0	3/8"	67.8	50
IS-873-14CR-135-0	3/8"	135.6	100
IS-873-16CR-271-0	1/2"	271.2	200
IS-873-18CR-1017-0	3/4"	1017	750
IS-873-20CR-1695-0	1"	1695	1250

*male stationary transducer not female

Complete torque management systems from Crane Electronics



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