



## Stationary Transducers

### Workbench mounted static torque transducers

**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 lineside 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.

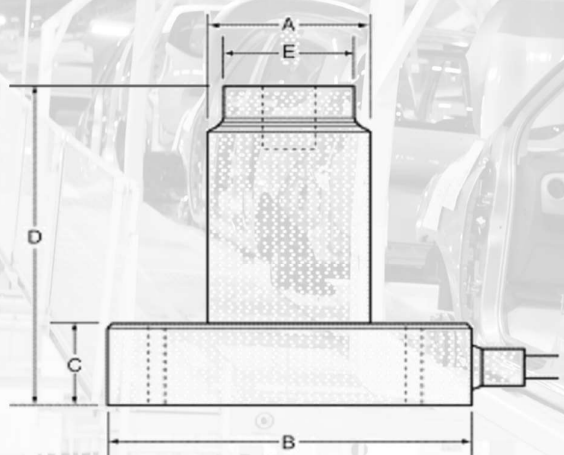
Stationary transducers are automatically recognised by Crane readouts and data collectors thanks to on board intelligence which eliminates the risk of set-up errors and enables the logging of serial numbers against measurements for complete traceability.

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.

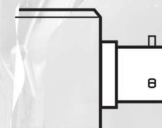
### Key Features

- Suitable for the measurement of all continuous drive and impulse power tools and all hand torque tools
- Automatic transducer recognition (Auto ID) with Crane readout and data collector devices, such as the TorqueStar and IQVu
- Combine with Crane's joint kits for workshop simulation of both soft and hard joints
- Incorporate into custom-built mobile testing stations
- Wide range of sizes from 3Nm up to 5000Nm, with both UTA and Industry Standard versions available

## Weights & Dimensions



Drive	Dimensions in mm					Weight (Est. Kg)
	A	B	C	D	E	
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"	762	140	25	130	1.5" Across Flats	3.20



IS version connector detail

Product Code	Range
UTA-164-0-3.54-0-0	3.54Nm Female 1/4" Drive
UTA-164-0-25	5.65Nm Female 1/4" Drive
UTA-165-0-25	11Nm Female 1/4" Drive
UTA-166-0-25	28Nm Female 1/4" Drive
UTA-167-0-35	68Nm Female 3/8" Drive
UTA-168-0-35	135Nm Female 3/8" Drive
UTA-169-0-35	271Nm Female 1/2" Drive
UTA-170-0-35	542Nm Female 3/4" Drive
UTA-171-0-35	1017Nm Female 3/4" Drive
UTA-172-0-35	1695Nm Female 1" Drive
UT-115-00CR-3000-0	3000Nm Male 1 1/2" Drive
UT-115-00CR-5000-0	5000Nm Male 1 1/2" Drive
IS-873-08CR-11-0	11.3Nm I.S. Female 1/4" Drive
IS-873-10CR-28-0	28.25Nm I.S. Female 1/4" Drive
IS-873-12CR-67-0	67.8Nm I.S. Female 3/8" Drive
IS-873-14CR-135-0	135.6Nm I.S. Female 3/8" Drive
IS-873-16CR-271-0	271Nm I.S. Female 1/2" Drive
IS-873-18CR-1017-0	1017Nm I.S. Female 3/4" Drive
IS-873-20CR-1695-0	1695Nm I.S. Female 1" Drive
700-1500	Straight Cable (I.S. to TorqueStar)
CBL-760-0-0-0-0	Curly Cable (I.S. to TorqueStar)

### Technical Specification

#### Transducer Type:

UTA incorporates data chip enabling automatic transducer recognition operation with Crane readouts  
**I.S** 'Industry Standard' version  
 Bridge resistance: 350 Ohms  
 Sensitivity: 2mV/V

#### Construction:

Steel housing  
 Overload capacity: 125% rated torque

#### Connections:

Square drives to ANSI B107-4 -1982; BS4006 - 1992; DIN 3121 - 1987  
**UTA**: 1m integral cable with strain relief; 25-pin 'D' port (male) for connection to Crane 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  
 IP40

#### Ingress Protection Rating:

#### Calibration:

All torque equipment should be re-calibrated every 12 months  
 12 months parts and labour against faulty workmanship or materials.

#### Warranty:

For pricing, availability or further technical information about Stationary Transducers, please contact us online at [www.crane-electronics.com](http://www.crane-electronics.com) or alternatively, email us at [sales@crane-electronics.com](mailto:sales@crane-electronics.com).



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