

N-TYPE IN-LINE TORQUE TRANSDUCER

DESCRIPTION

The AWS LTD N-type In-Line Torque Transducer range (NITT), is designed to accurately measure torque values, in a variety of industries.

With optimised torque ranges, the transducer outputs a mV signal proportional to the supply voltage and torque. The transducer contains a memory chip in which a small selection of parameters, including serial number, model number, and calibration value, are held, compatible for setting some manufacturers display units.

There is an option (using the In-line Transducer Mounting Bracket, purchased separately) to bench mount the transducer in either a vertical or horizontal position.

SPECIFICATIONS

Model: NITT-	3011	3012	3013	3014	3015	3016	3070	3017
Ranges:	0.1- 2.5Nm	0.4- 10Nm	2-50Nm	10- 250Nm	20- 500Nm	40- 1000Nm	60- 1500Nm	0.1- 3kNm
Square Drive Size:	¼"	¼"	⅜"	½"	¾"	¾"	1"	1 ½"

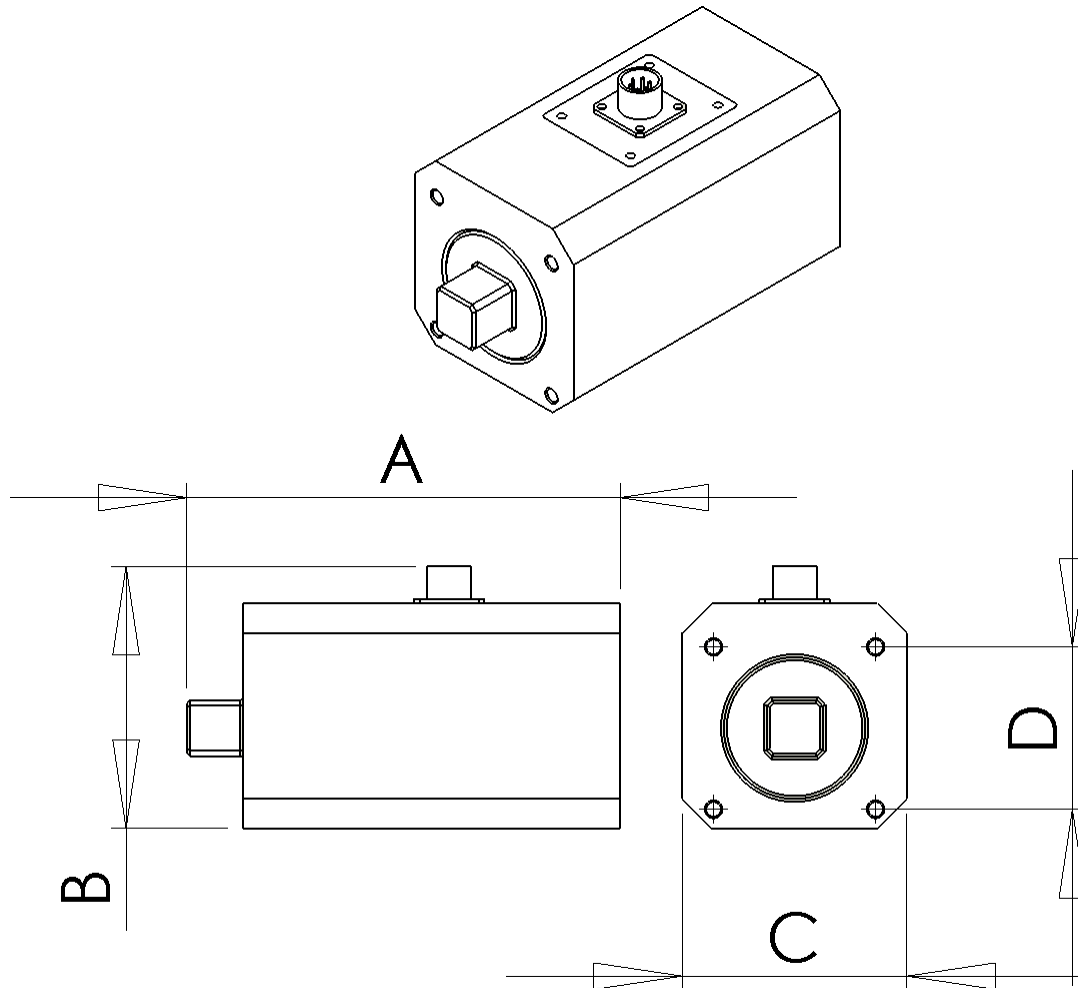
Accuracy:	Better than 0.1% of reading from 10 to 100% of rated output. See calibration certificate for full results.
Signal Output:	2mV/V
Communications:	2 wire EEPROM instrument set up program.
Bridge Impedance:	350Ω
Max Voltage and Current Requirements:	10V DC 30mA
Power and Display:	Requires DC power supply and Dedicated mV meter
Overload capability:	125%
Maximum mechanical overload:	160% of range stated.
Operating Temperature:	-10°C to +50°C.
Connector:	Mil C 26482 series. 6 pin. Shell size 10.
CE:	2014/30/EU
EMC:	BS EN 61326:2007



DIMENSIONS

Model	Dimension (mm)				Face Mounting Tapped Hole*	Square Drive	Weight (Kg)
	A	B	C	D			
NITT-3011	100	75	60	36	M5	¼"	1.0
NITT-3012	100	75	60	36	M5	¼"	1.0
NITT-3013	100	75	60	36	M5	⅜"	1.0
NITT-3014	115	75	60	40	M5	½"	1.2
NITT-3015	150	90	75	55	M6	¾"	2.6
NITT-3016	150	90	75	55	M6	¾"	2.7
NITT-3070	150	90	75	55	M6	1"	2.8
NITT-3017	160	106	95	80	N/A	1 ½"	3.8

*The face mounting holes are in a square, centrally located around the square drive.



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