Analogue In-line Torque Transducer

Description

The AWS LTD Analogue In-Line Torque Transducer range (AITT), is designed to accurately measure torque values, in a variety of industries.
With optimised torque ranges, the transducer uses a standard analogue connection through a male MIL C connector, from a full active Wheatstone bridge, outputting a mV reading.
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

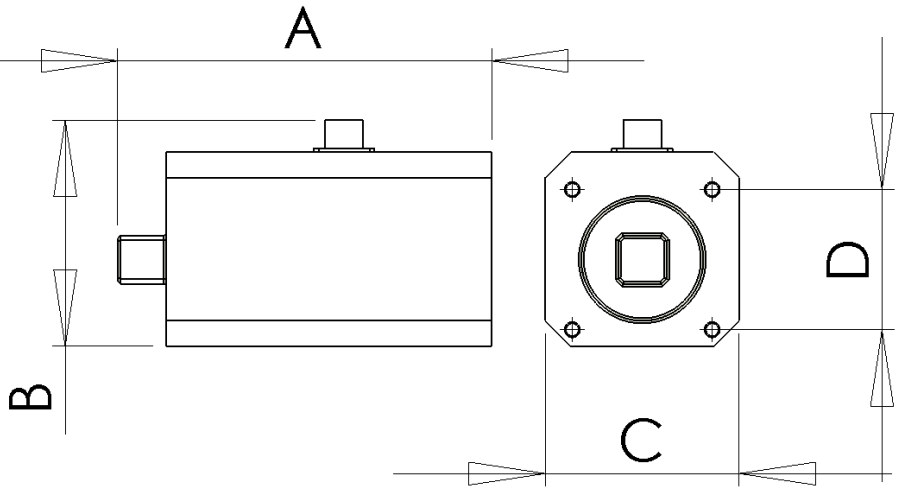
Model: AITT-	2011	2012	2013	2014	2015	2016	2017
Ranges:	0.12-3Nm	0.4-10Nm	2-50Nm	10-250Nm	20-500Nm	40-1000Nm	0.1-3kNm
Square Drive Size:	¼"	¼"	⅜"	½"	¾"	¾"	1 ½"

Accuracy:	Better than 0.1% of reading from 10 to 100% of rated output. See calibration certificate for full results.
Signal output	2 mV/V Strain gauge
Communication:	mV analogue output
Bridge Impedance	350 Ω
MAX Voltage and Current Requirement	10V DC 30mA
Power and Display:	Requires a stable DC power supply and mV reading meter.
Overload capability:	125%
Maximum mechanical overload:	160% of range stated.
Operating Temperature:	-10ºC to +50ºC.
Connector:	Mil C 26482 series. 6 pin. Shell size 10.
CE: EMC:	2014/30/EU BS EN 61326:2007

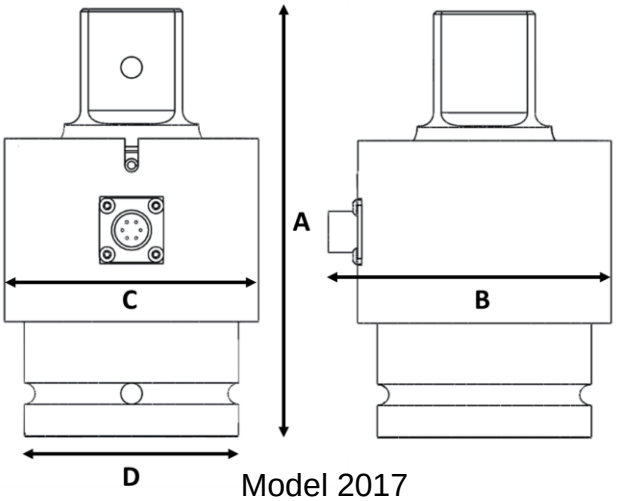
Dimensions

Model	Dimension				Face Mounting Tapped Hole*	Square Drive	Weight (Kg)
	A	B	C	D			
AITT-2011	100	75	60	36	M5	¼"	1.0
AITT-2012	100	75	60	36	M5	¼"	1.0
AITT-2013	100	75	60	36	M5	⅜"	1.0
AITT-2014	115	75	60	40	M5	½"	1.2
AITT-2015	150	90	75	55	M5	¾"	2.6
AITT-2016	150	90	75	55	M5	¾"	4.5
AITT-2017	160	106	95	80	N/A	1 ½"	3.8

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



Models 2011-2016



Model 2017

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