1Nm 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 optimized torque ranges, the transducer uses a standard analogue connection through a male MIL C connector, from a full active Wheatstone bridge, outputting a mV/V 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. The vertical position allows it to be mounted in ISO torque wrench calibration machines.

This transducer incorporates a mechanical overload protection stop to prevent damage to the transducer. This transducer can either be Male SQ drive to Male SQ drive or Male SQ to Male HEX drive. There are 2x M4 threaded holes in the reaction end and bottom surfaces for bolting.

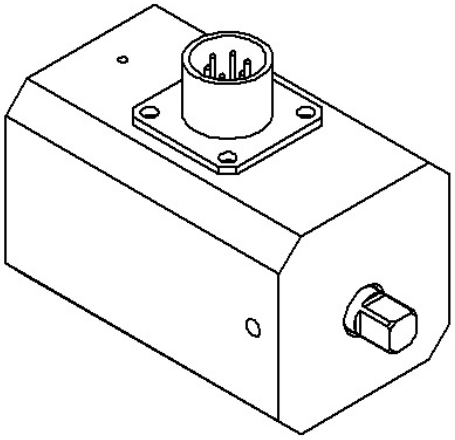
Specifications

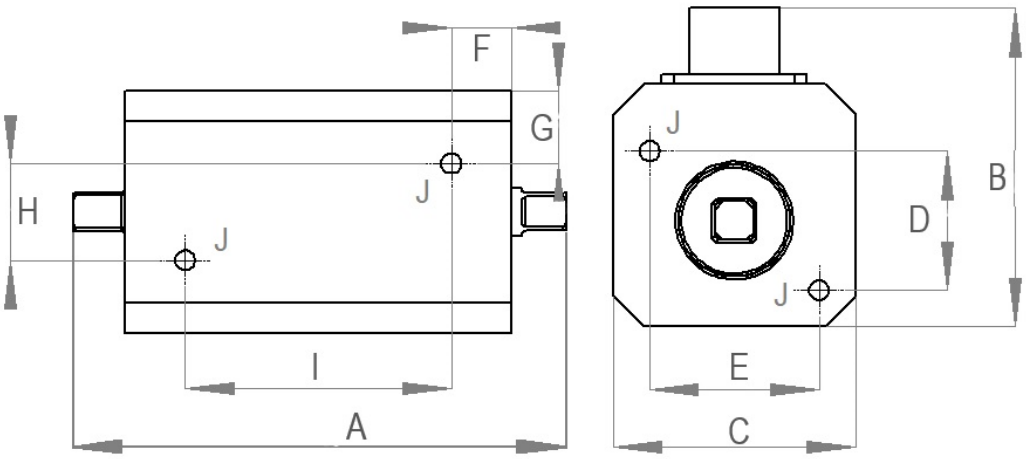
Model: AITT-	2018	2018H
Ranges:	0.04-1Nm	0.04-1Nm
Drive Size:	¼”	¼” HEX

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
Overload Capacity:	120%
Bridge Impedance	350 Ω
MAX voltage and current requirement	10V DC 30mA
Power and Display:	Dedicated mV/V display and power supply.
Maximum mechanical overload:	150% with stop
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								
	A	B	C	D	E	F	G	H	I
AITT-2018	82	53	40	25	25	10	12	16	44





Mounting Tapped Hole “J”	Square Drive	Weight (Kg)
M4	Male ¼”	1.0

Manufacturer information
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Supplier information